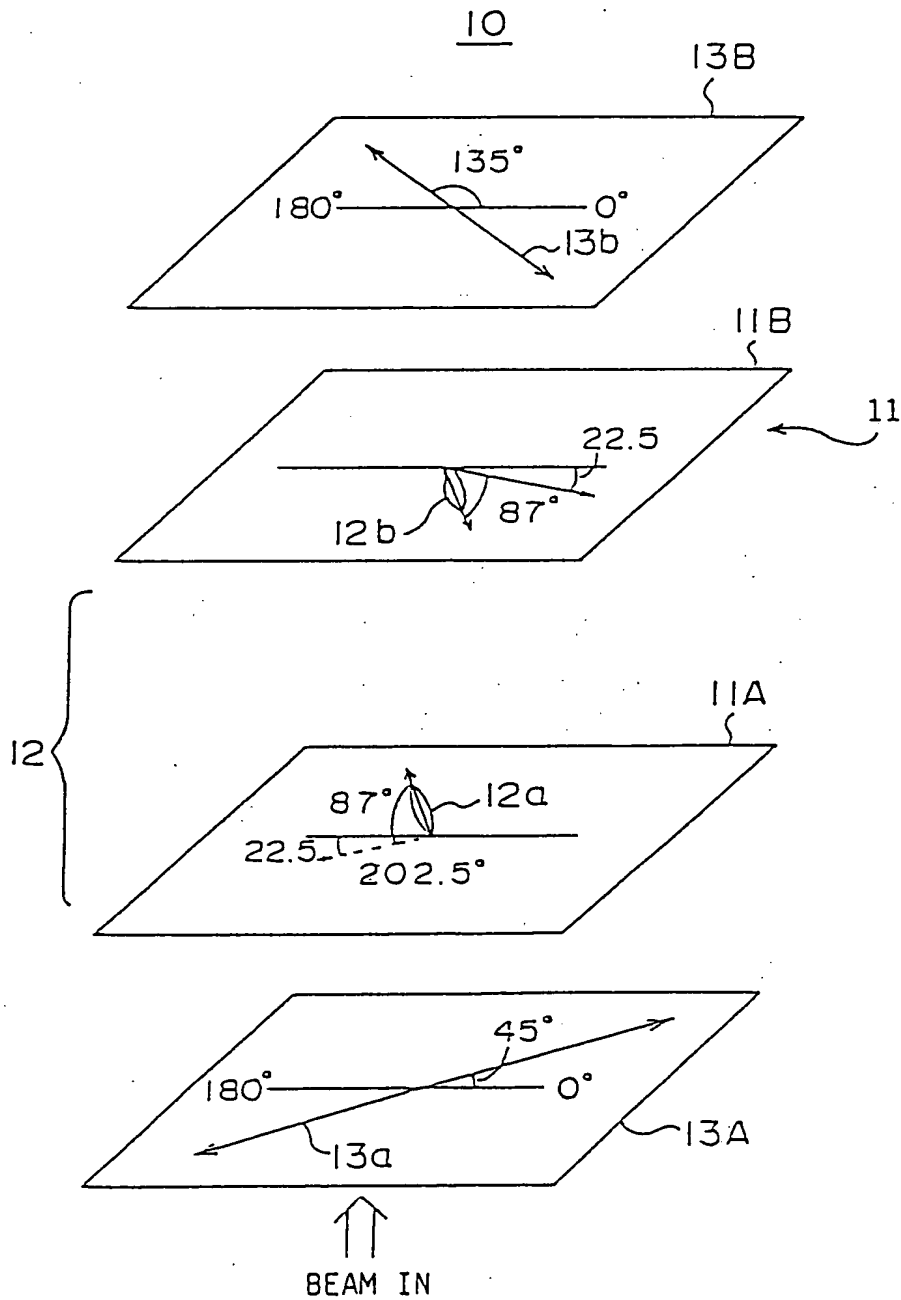




FIG. 1



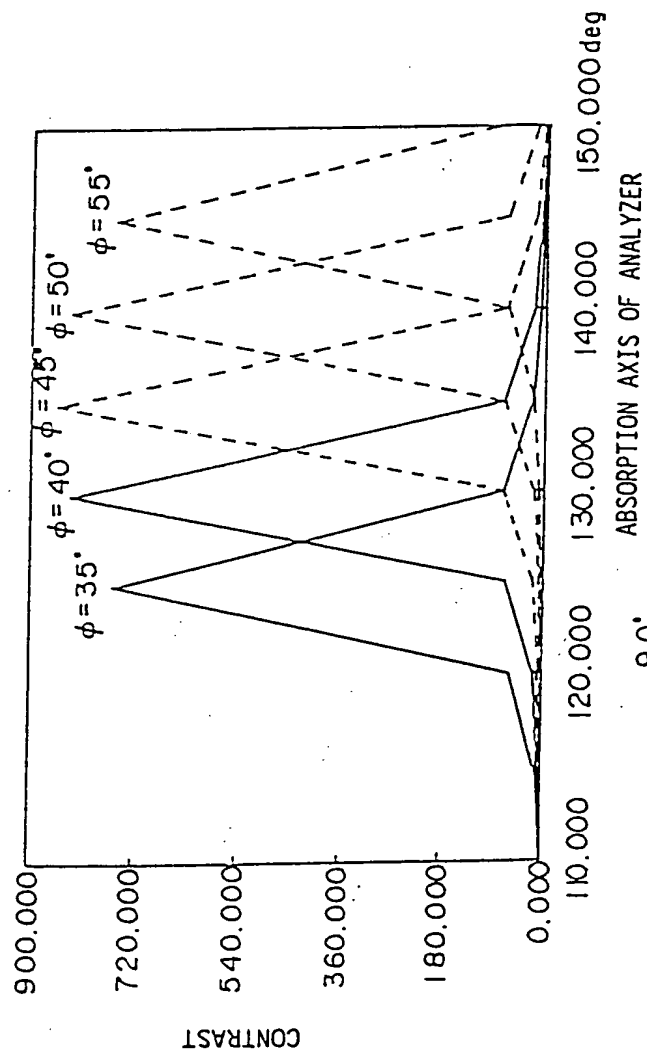


FIG. 2A

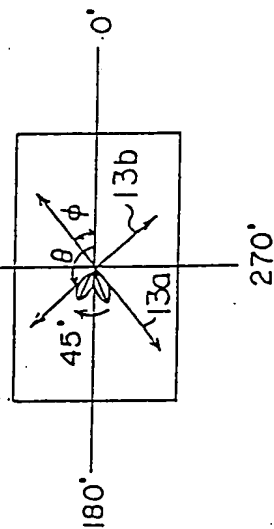


FIG. 2B

FIG. 3A

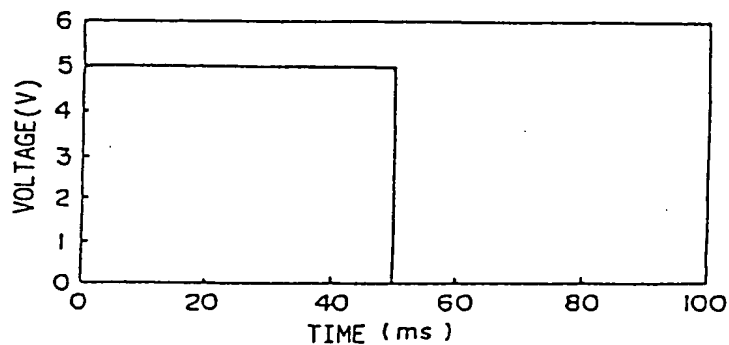


FIG. 3B

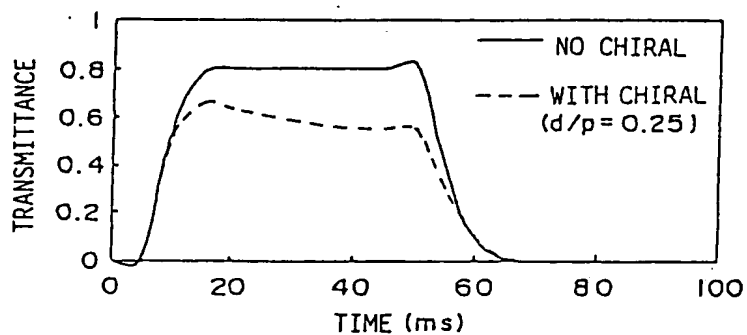


FIG. 3C

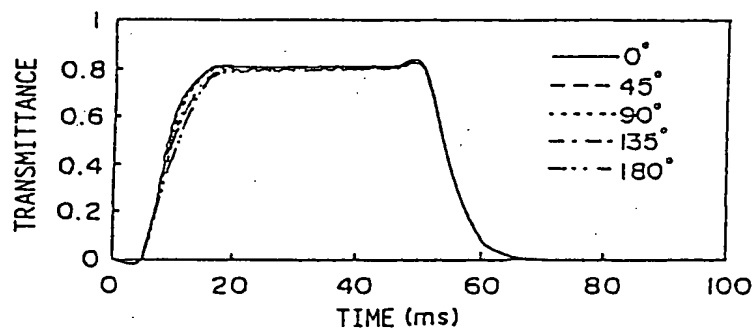


FIG. 3D

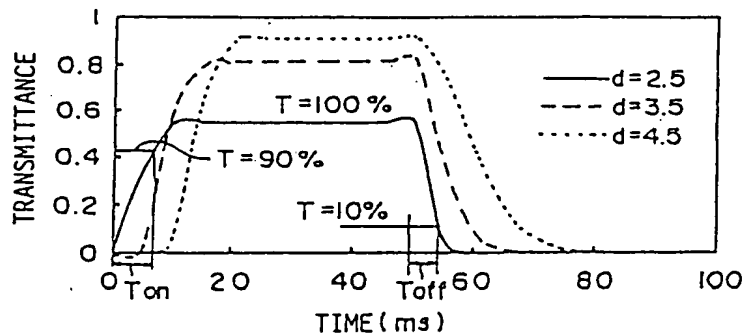


FIG.4A

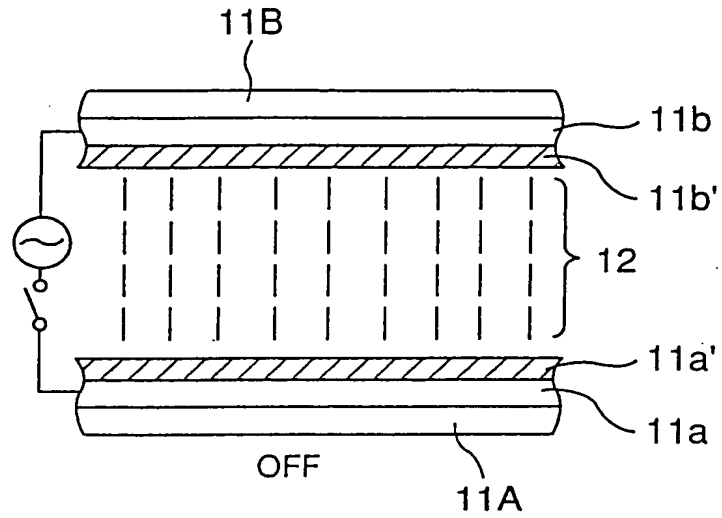


FIG.4B

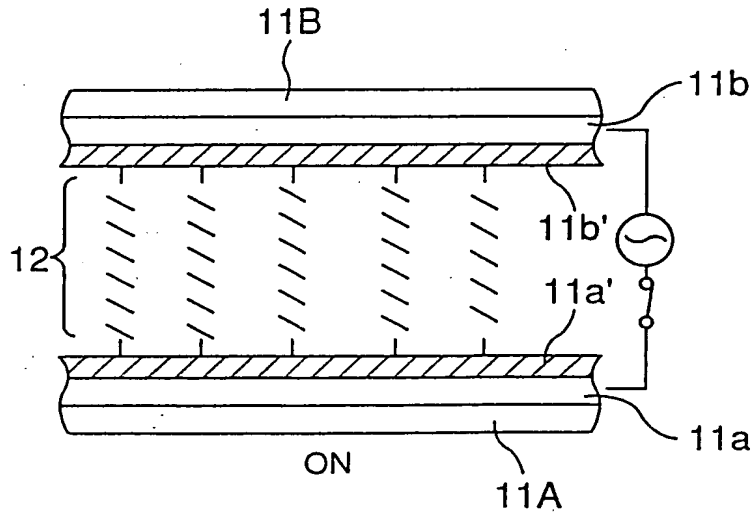


FIG.5A

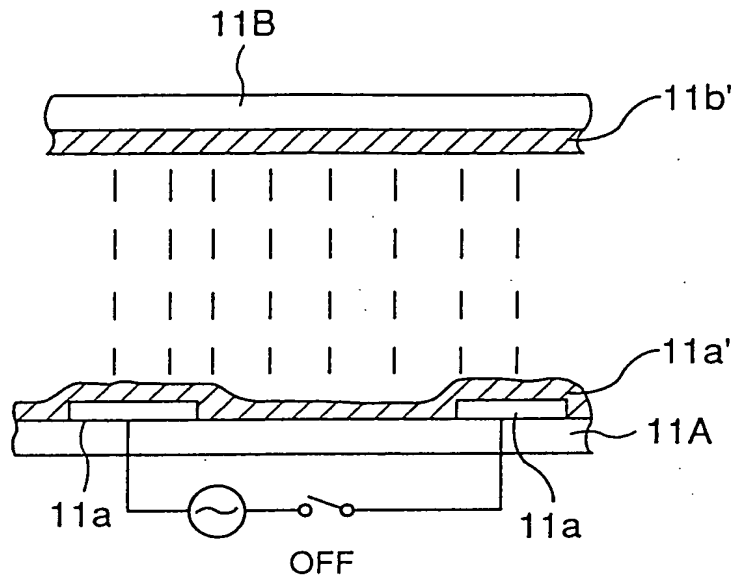


FIG.5B

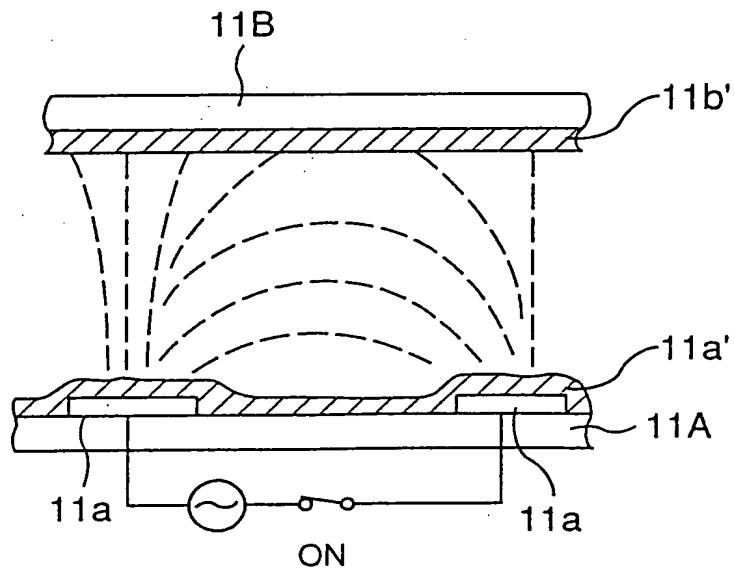


FIG.6A

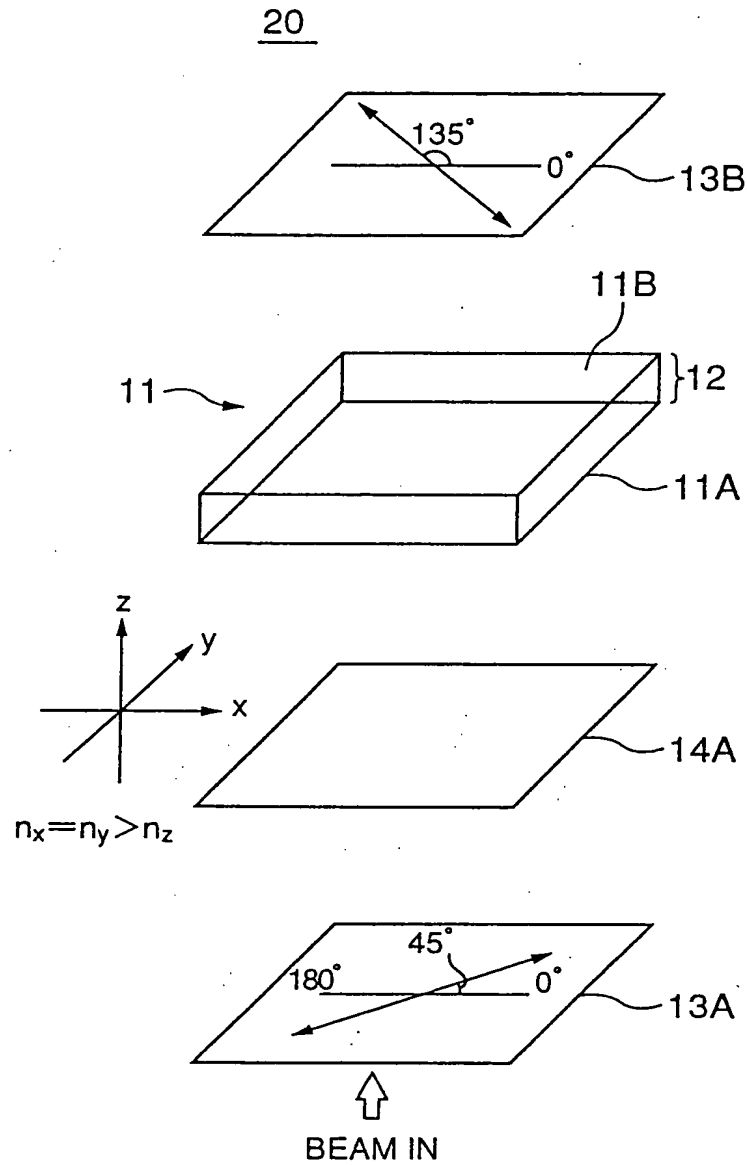


FIG. 6B

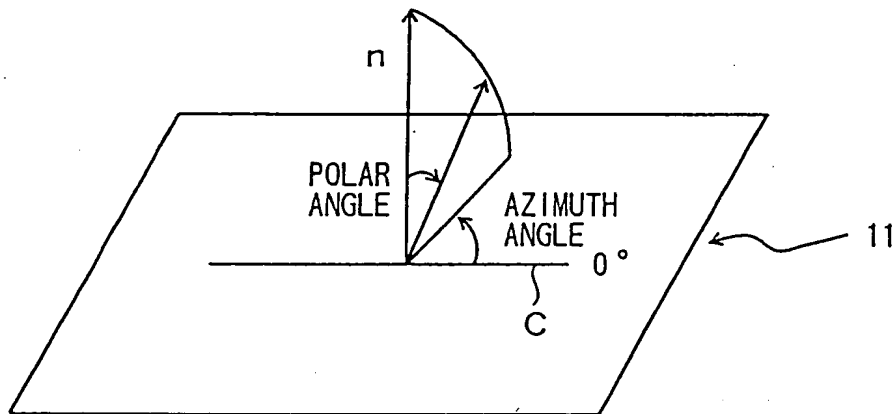


FIG. 7

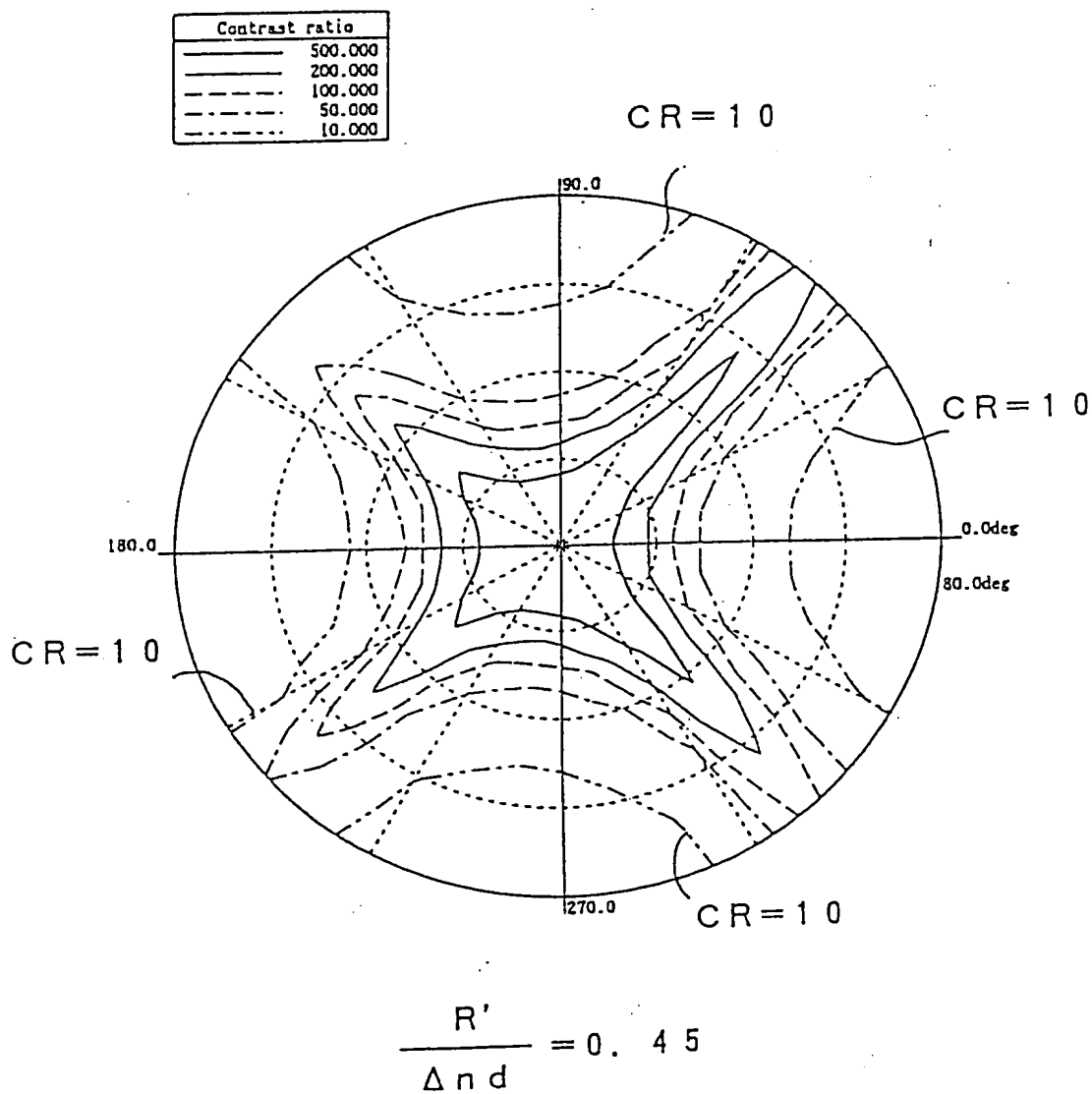


FIG. 8

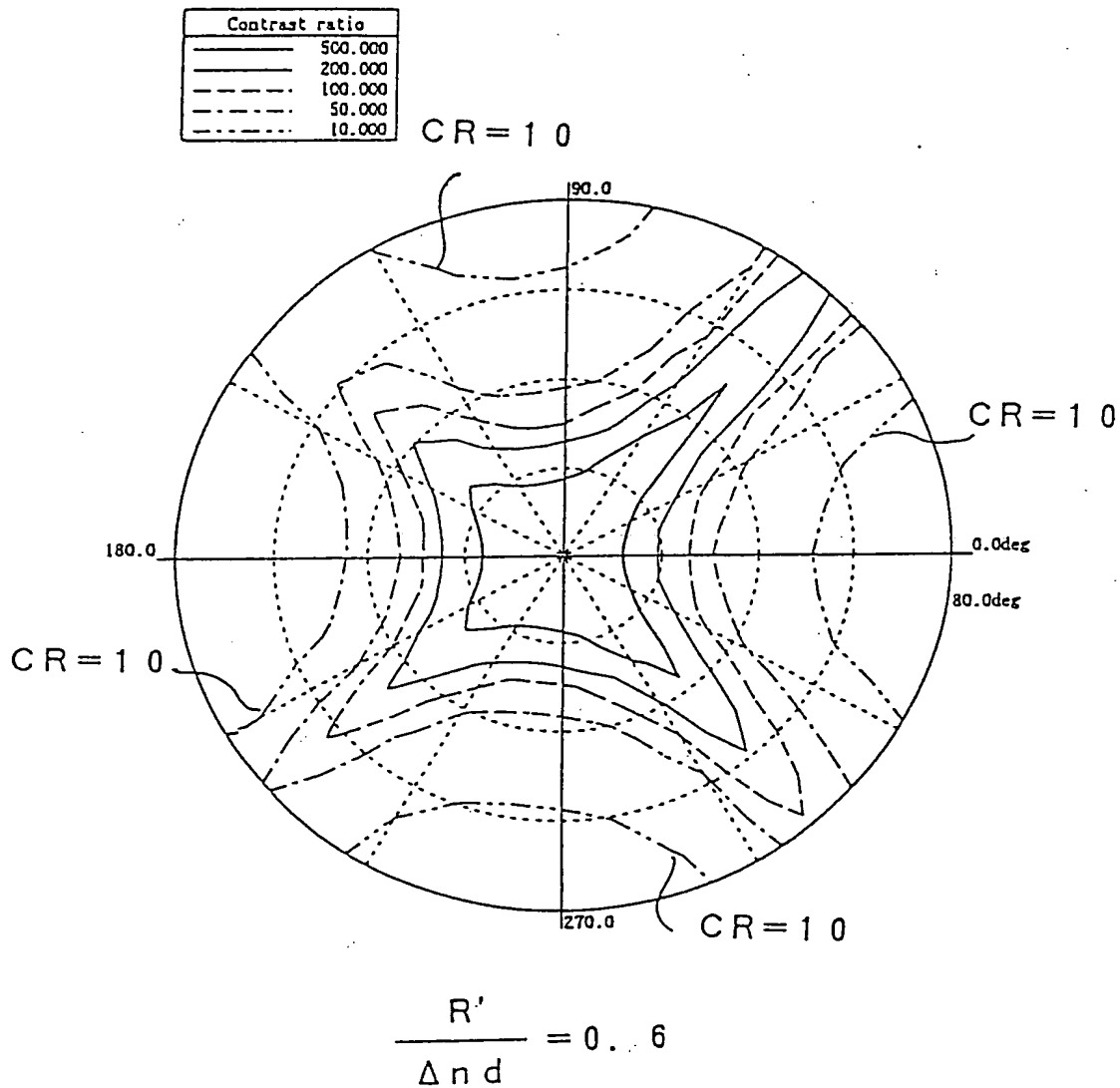


FIG. 9

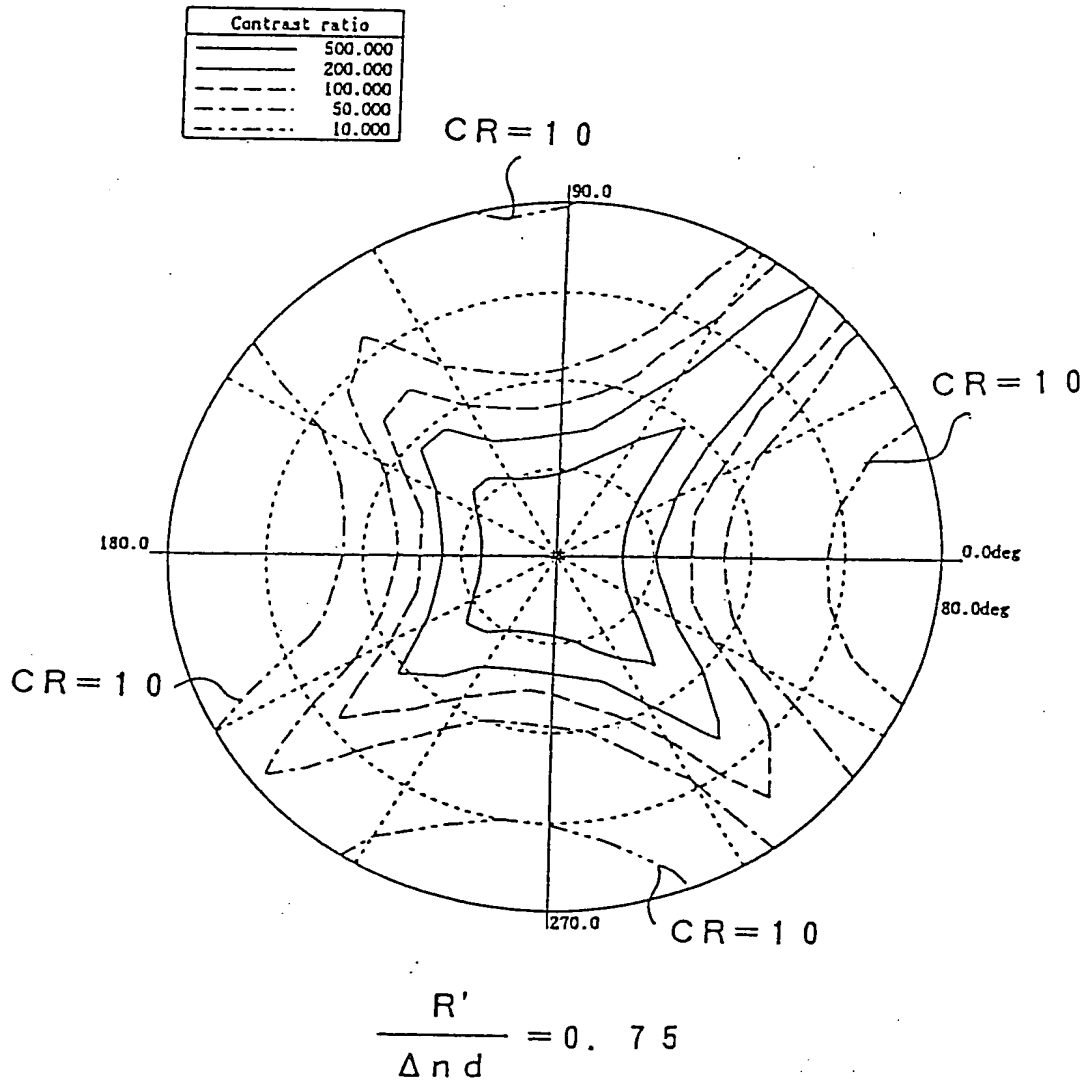


FIG. 10

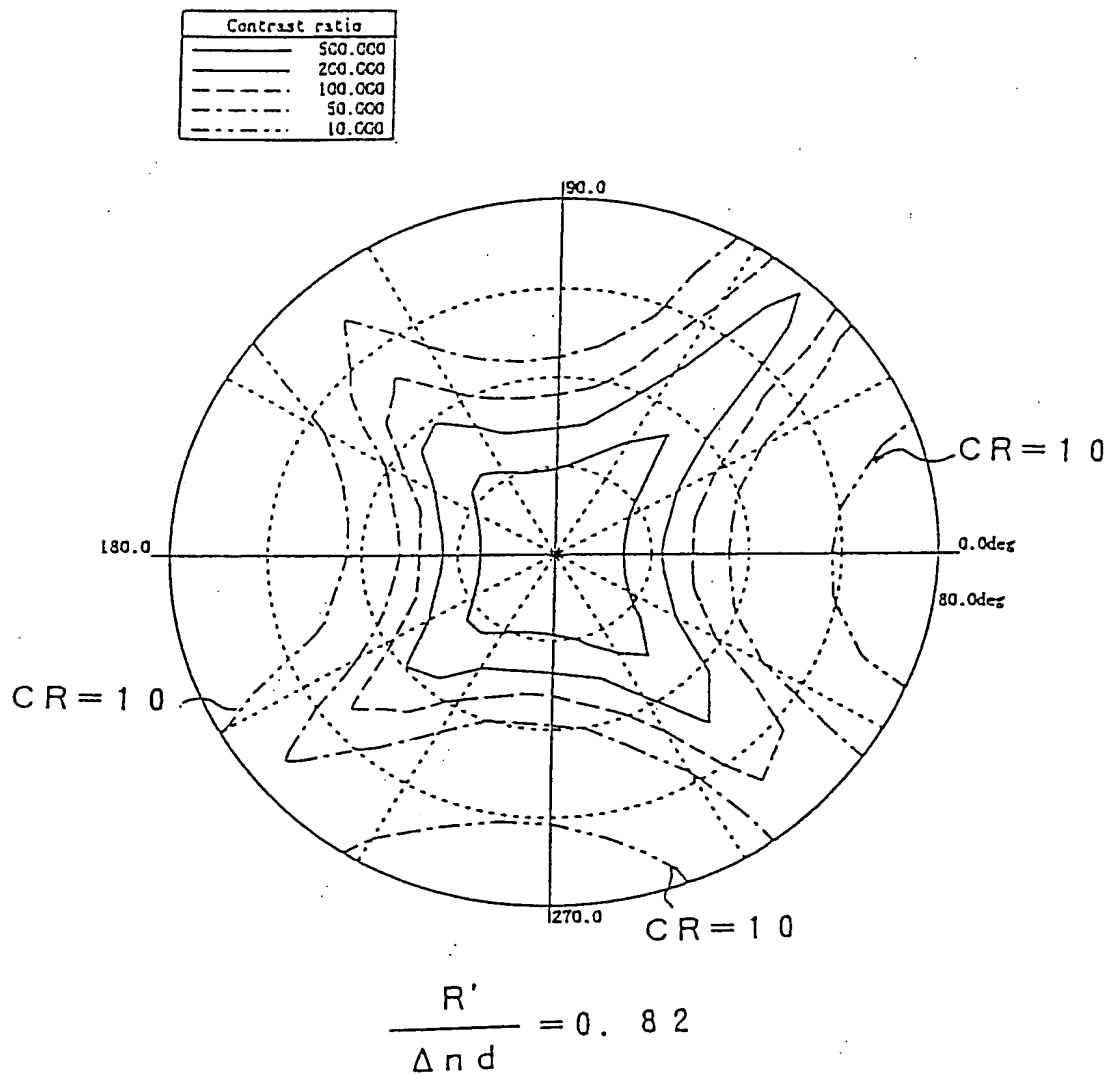


FIG. 11

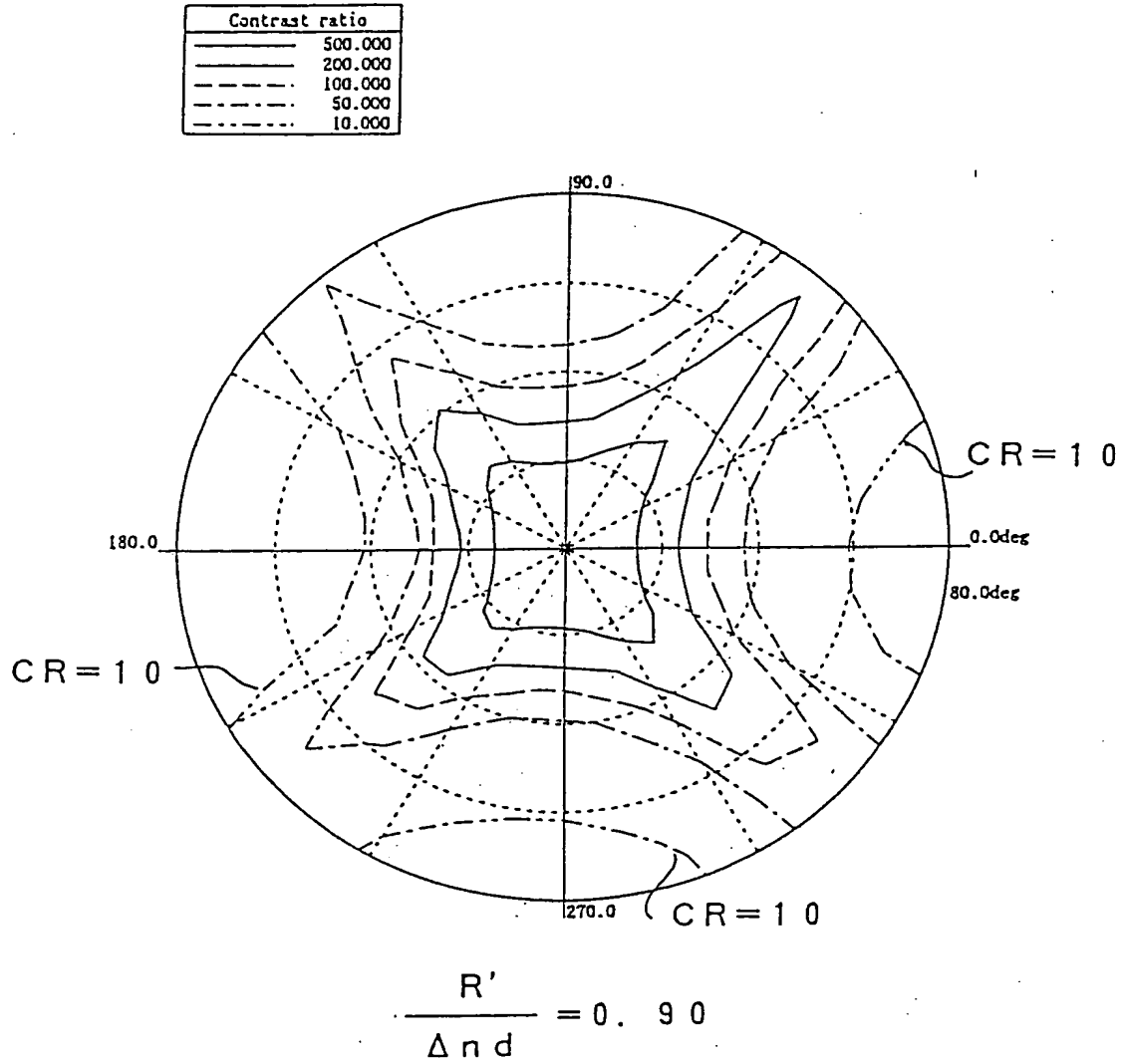


FIG. 12

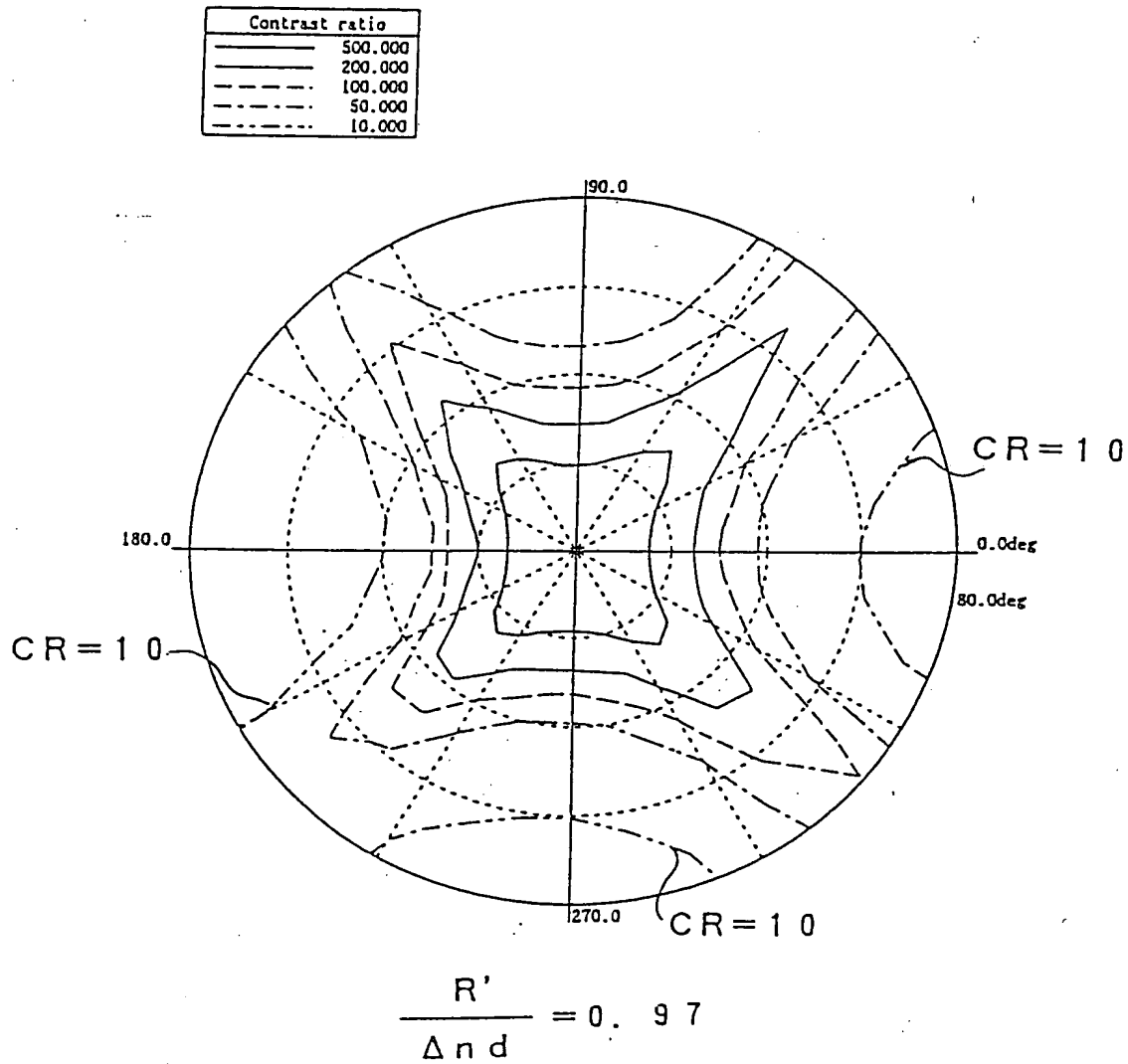


FIG. 13

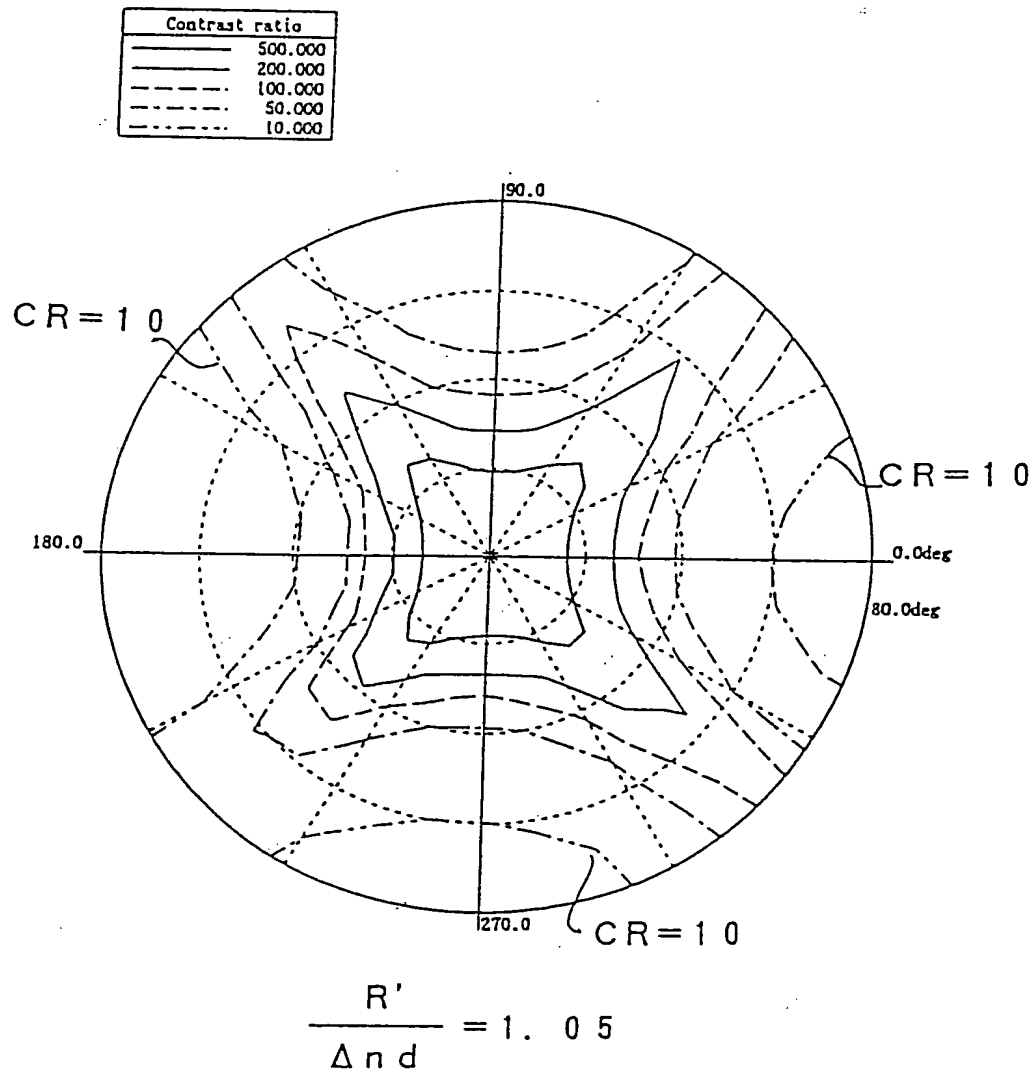


FIG. 14

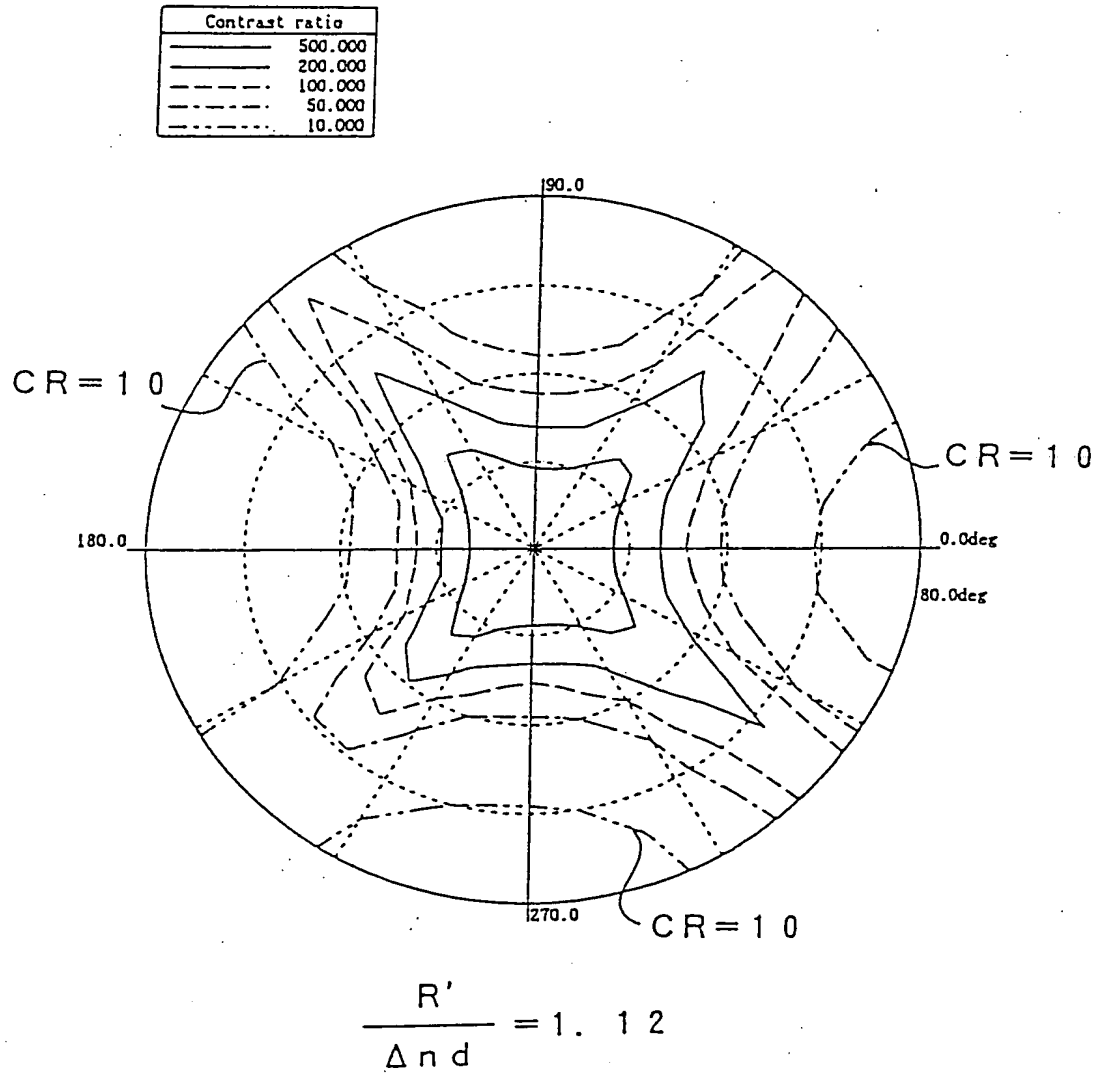


FIG. 15

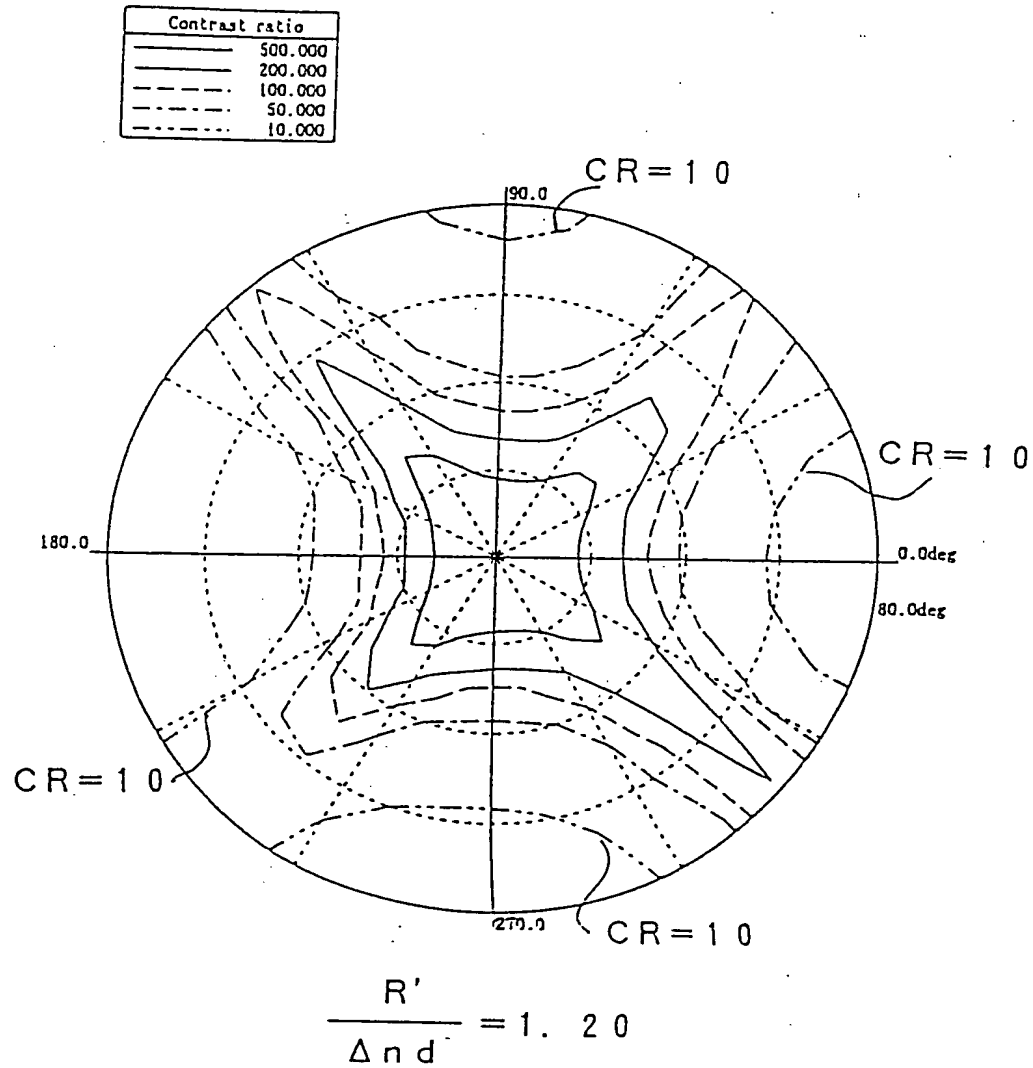


FIG. 16

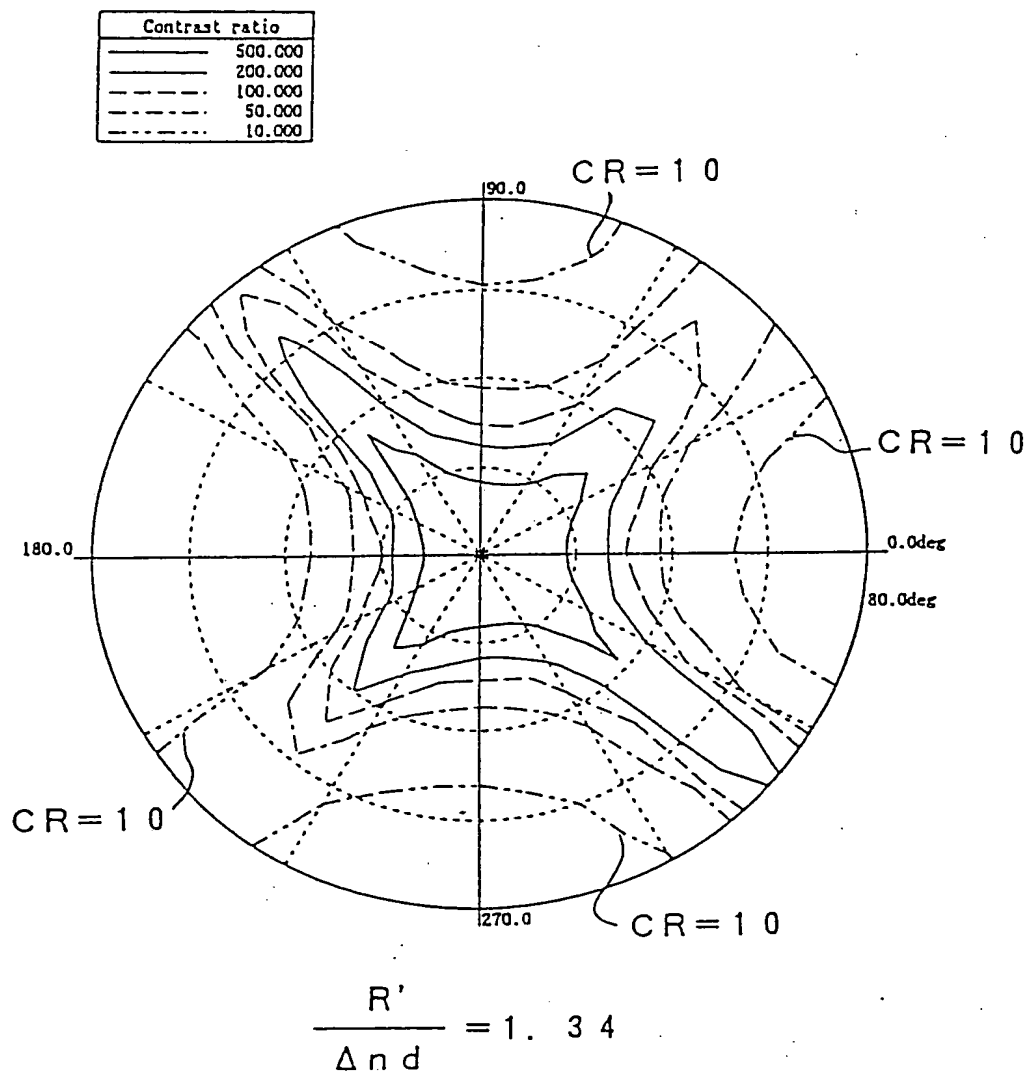


FIG. 17

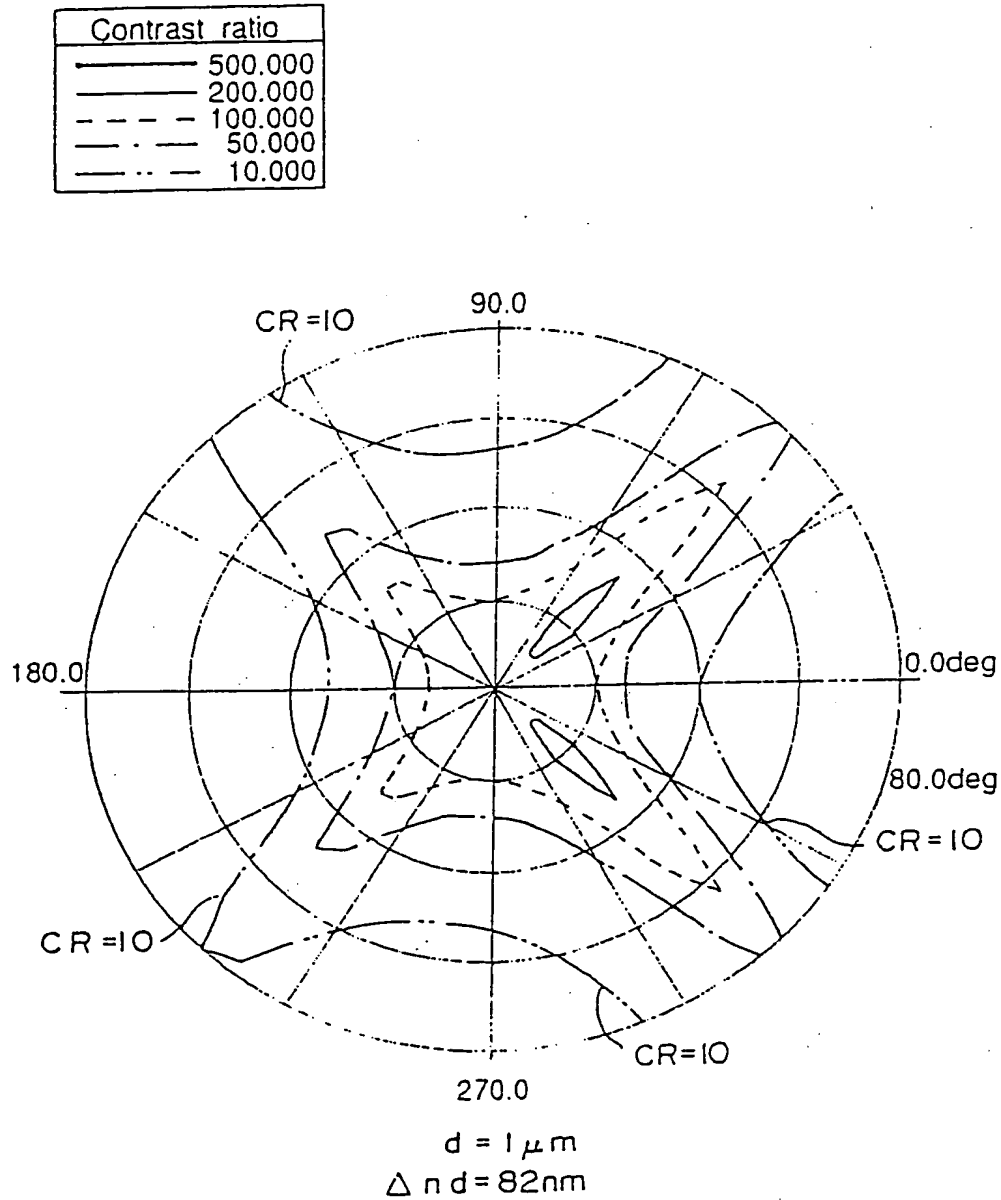


FIG. 18

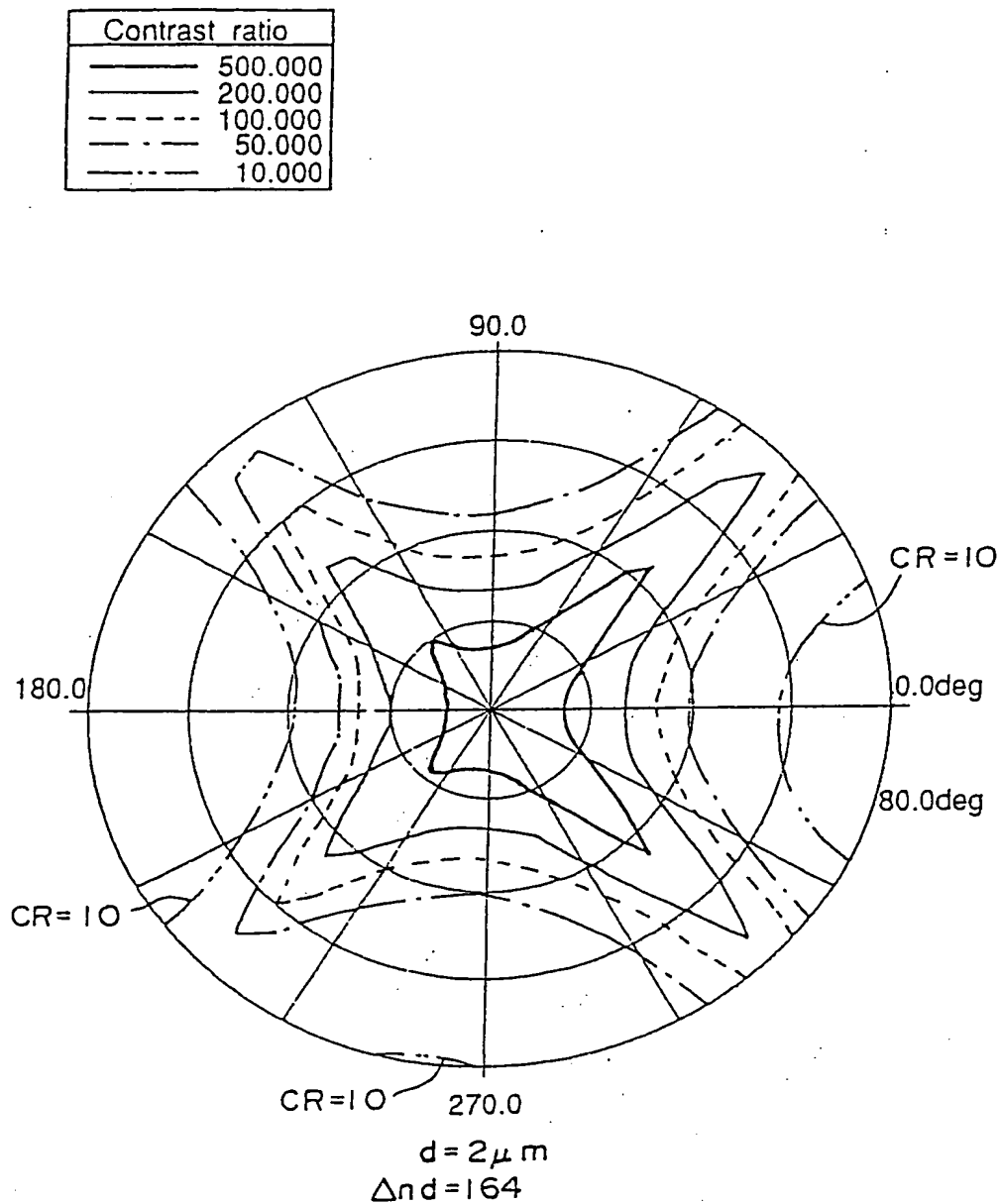


FIG. 19

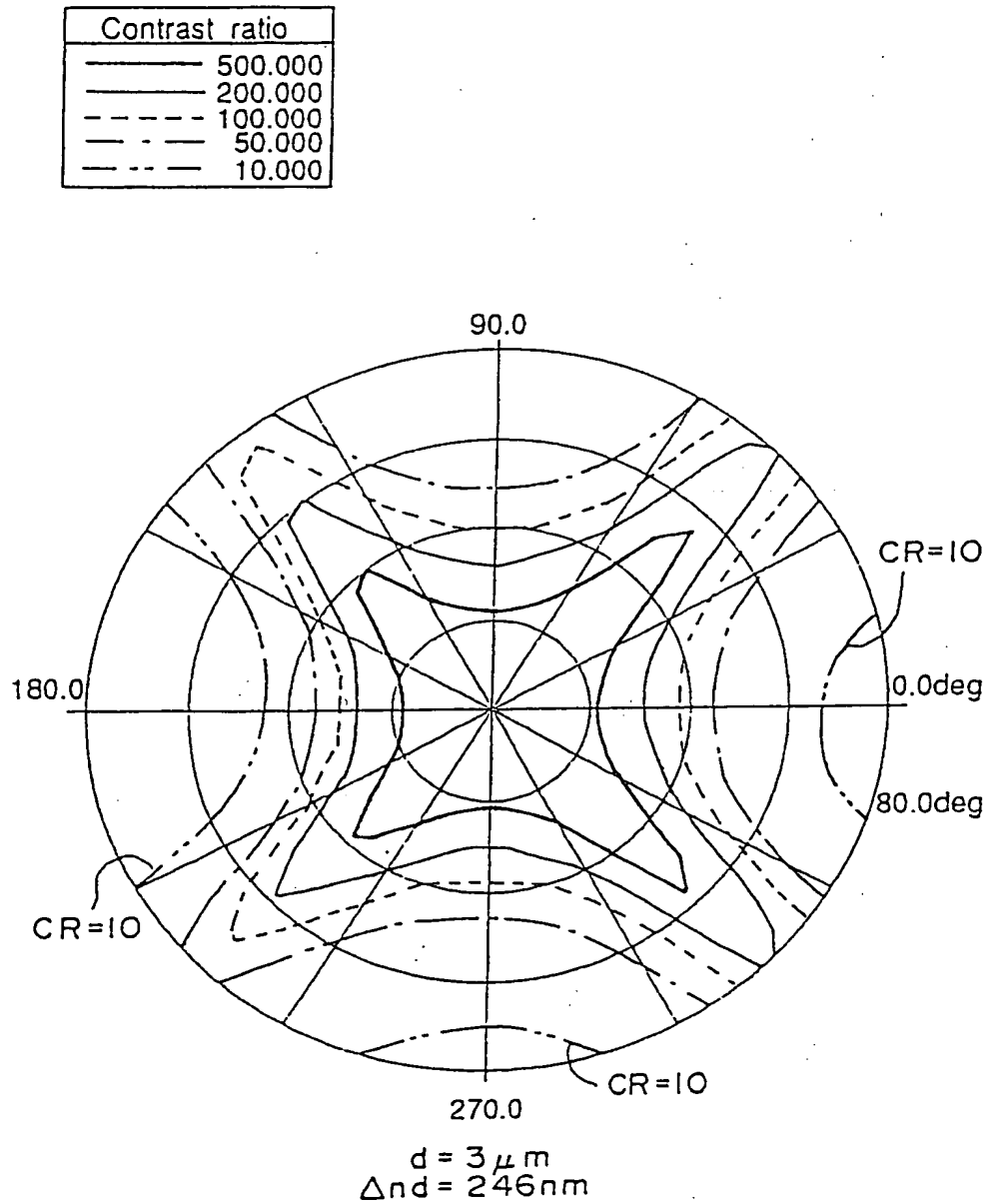


FIG. 20

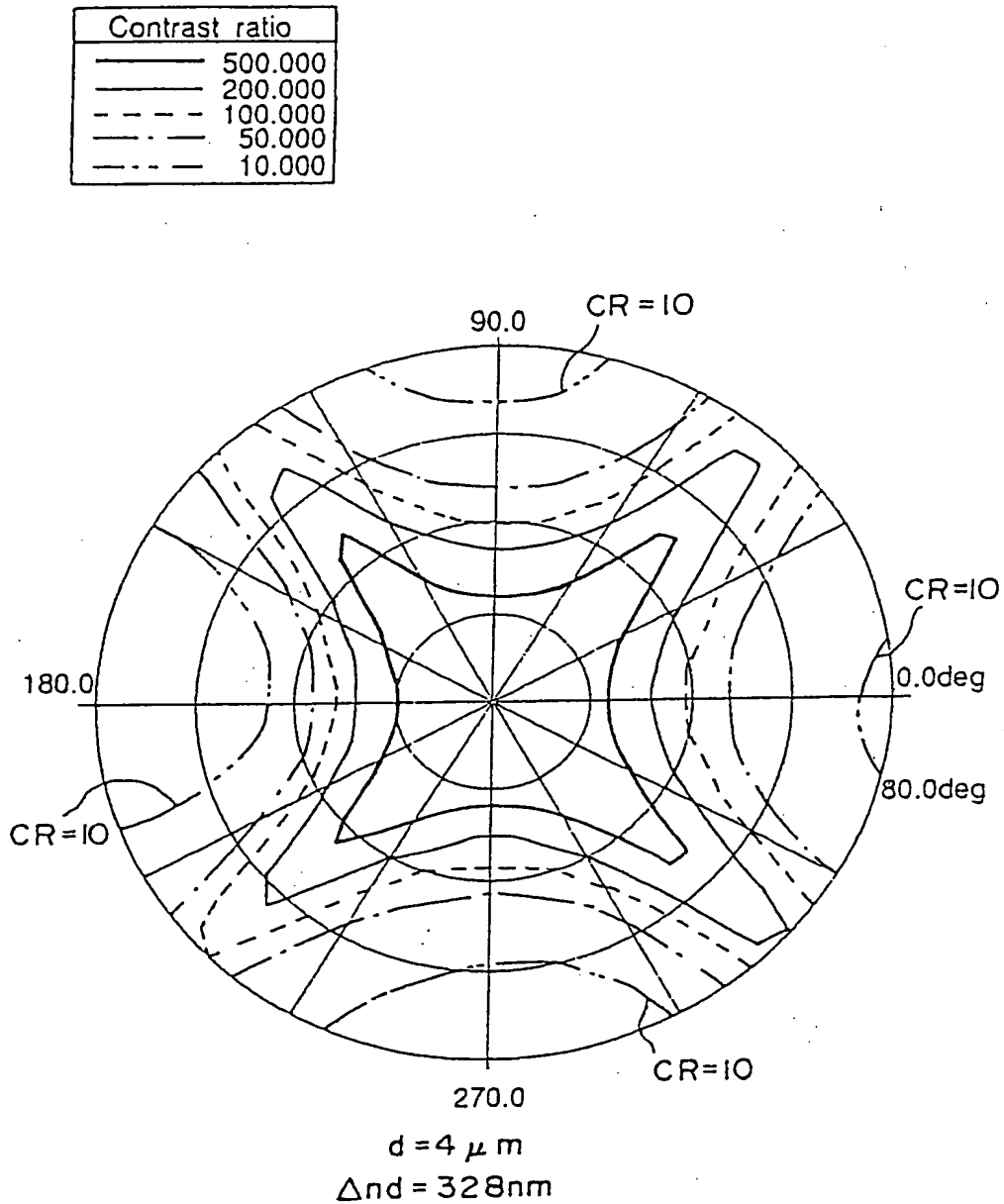


FIG. 21

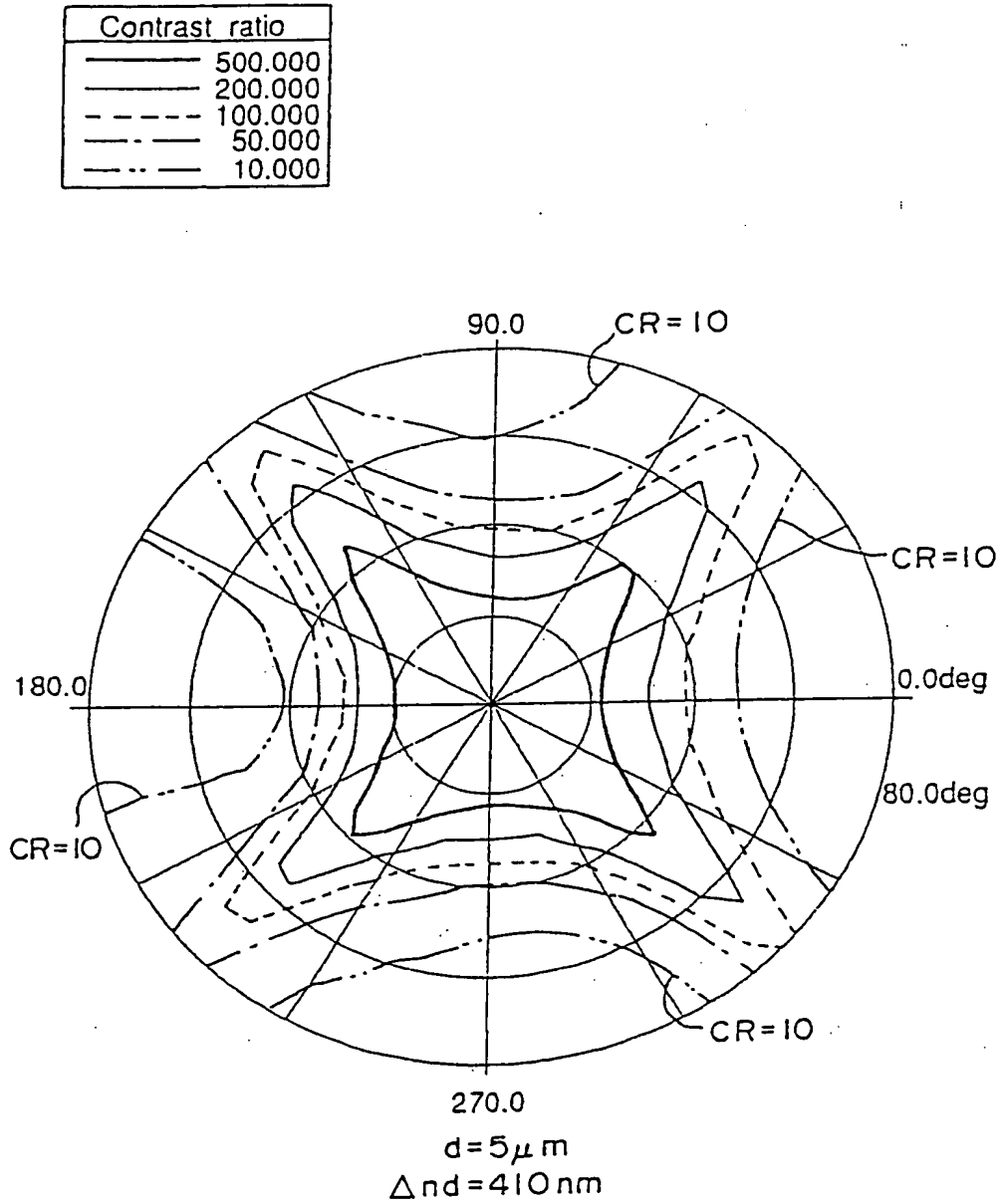


FIG. 22

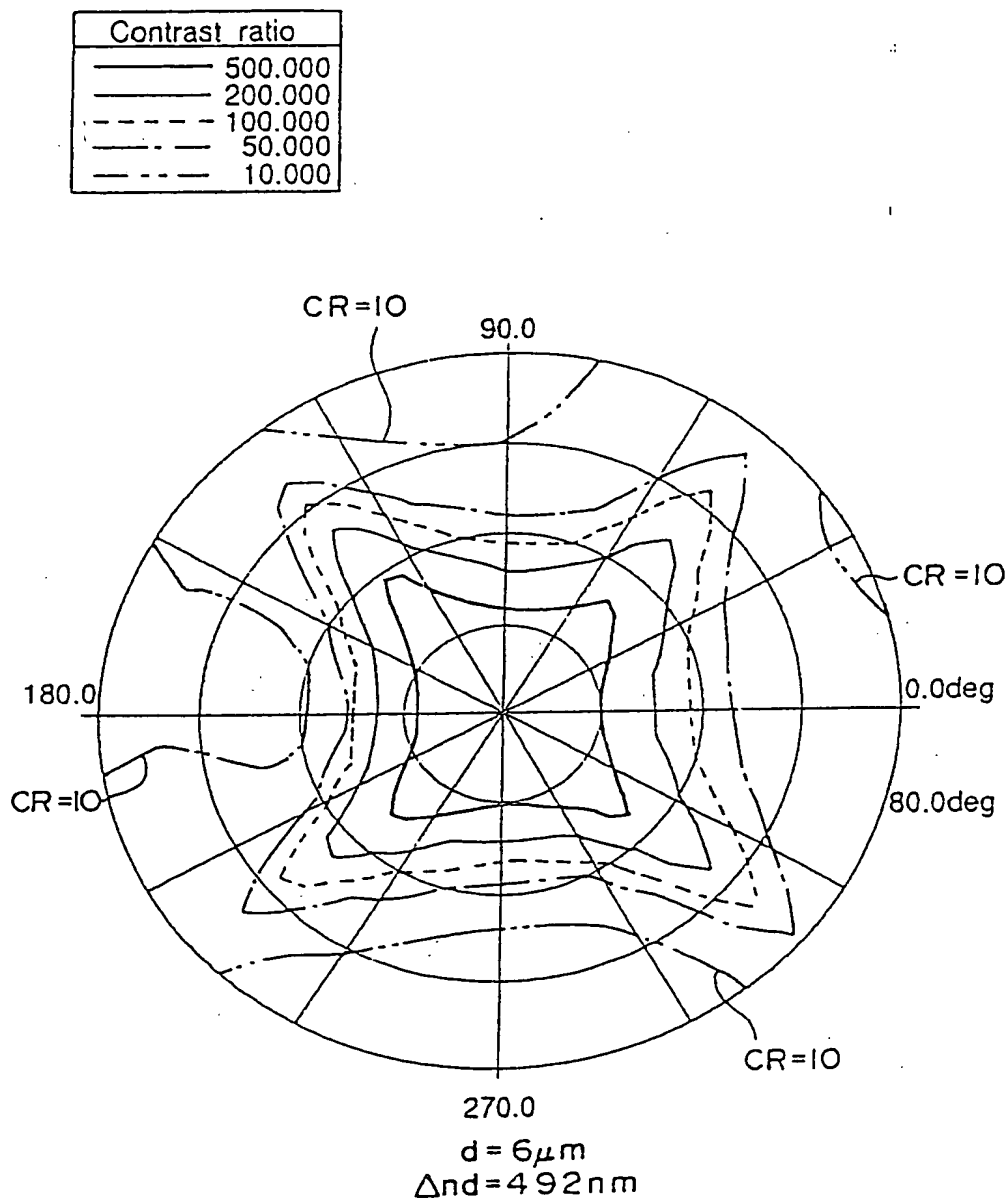


FIG. 23

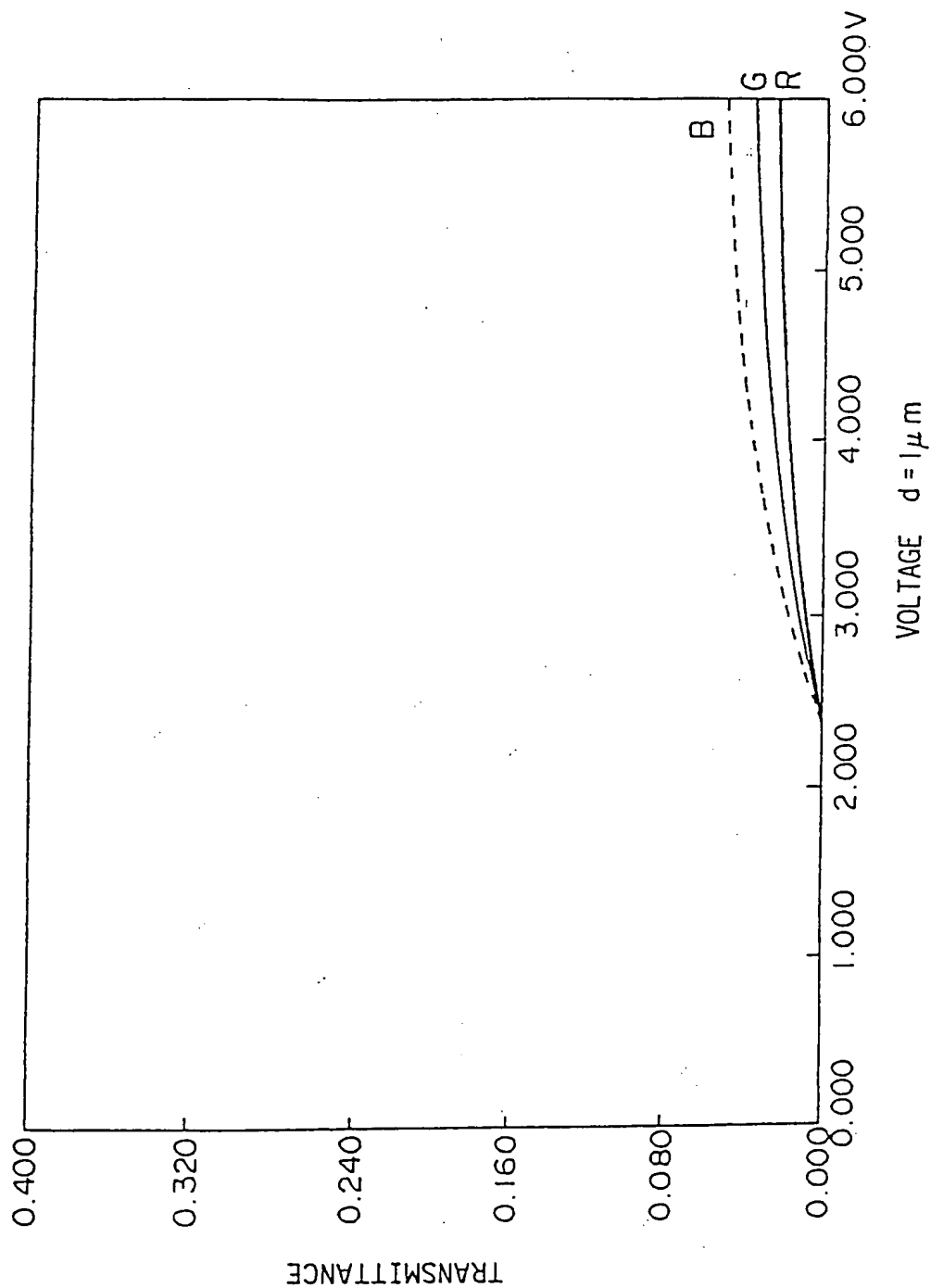


FIG. 24

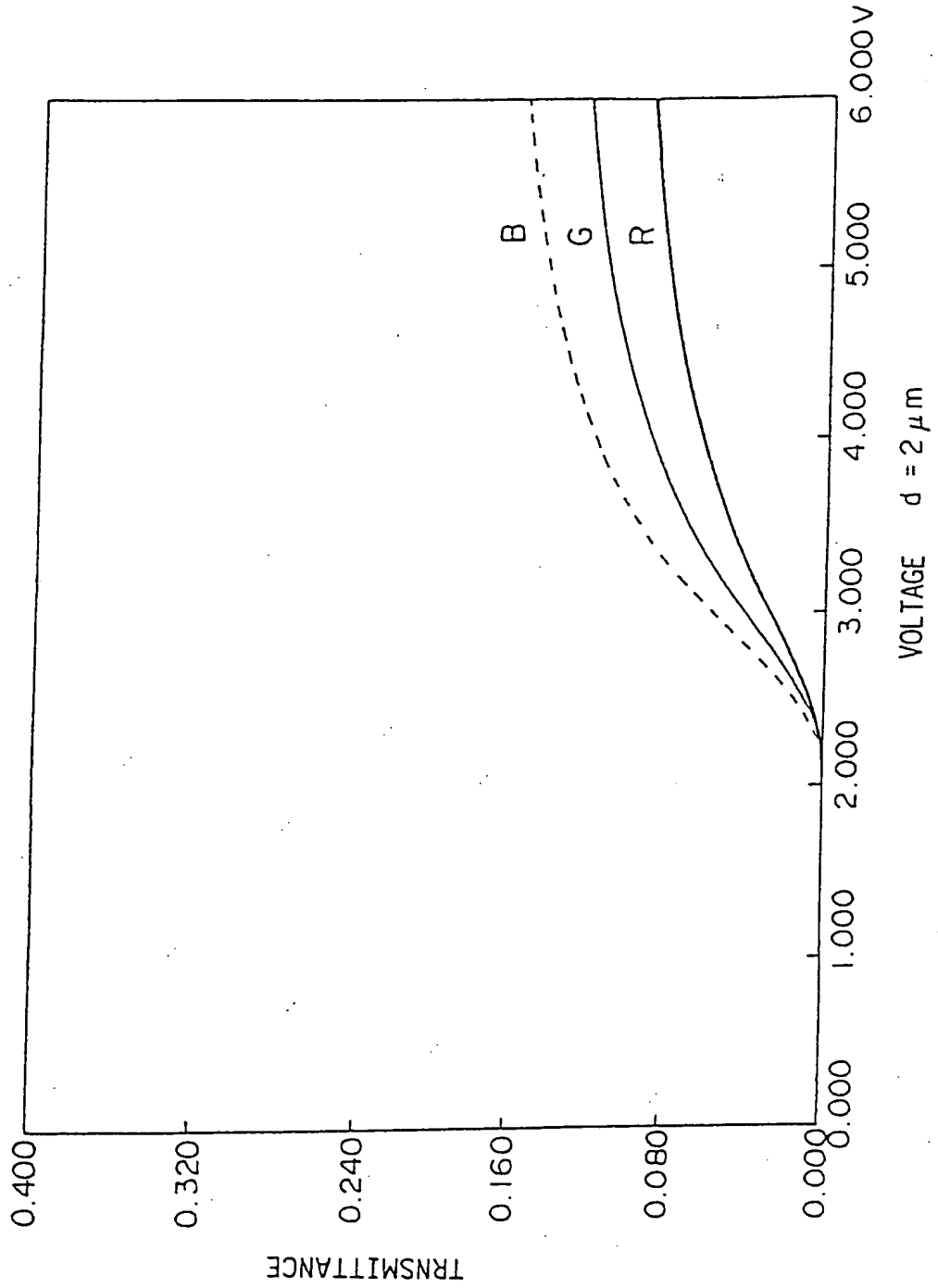


FIG. 25

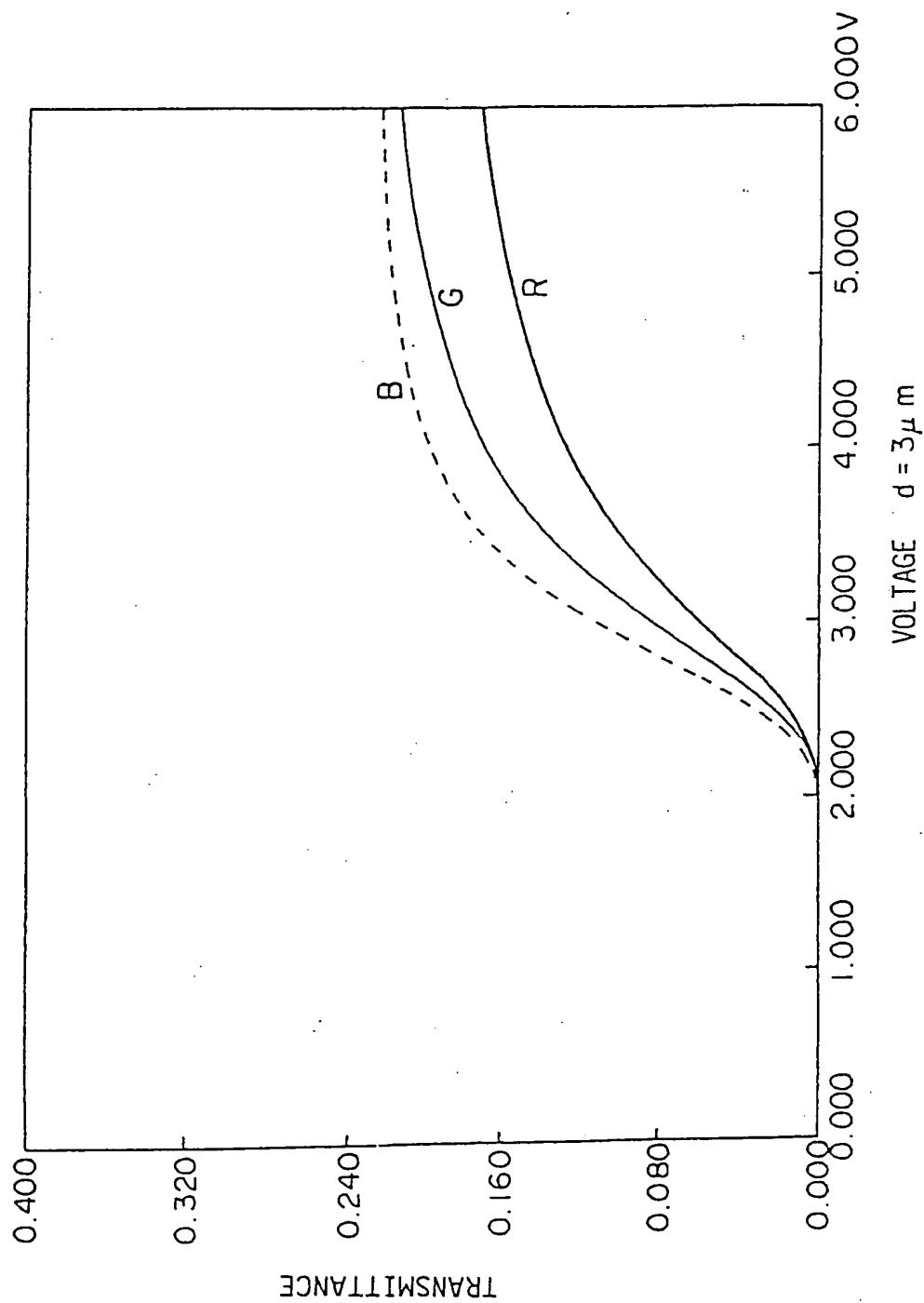


FIG. 26

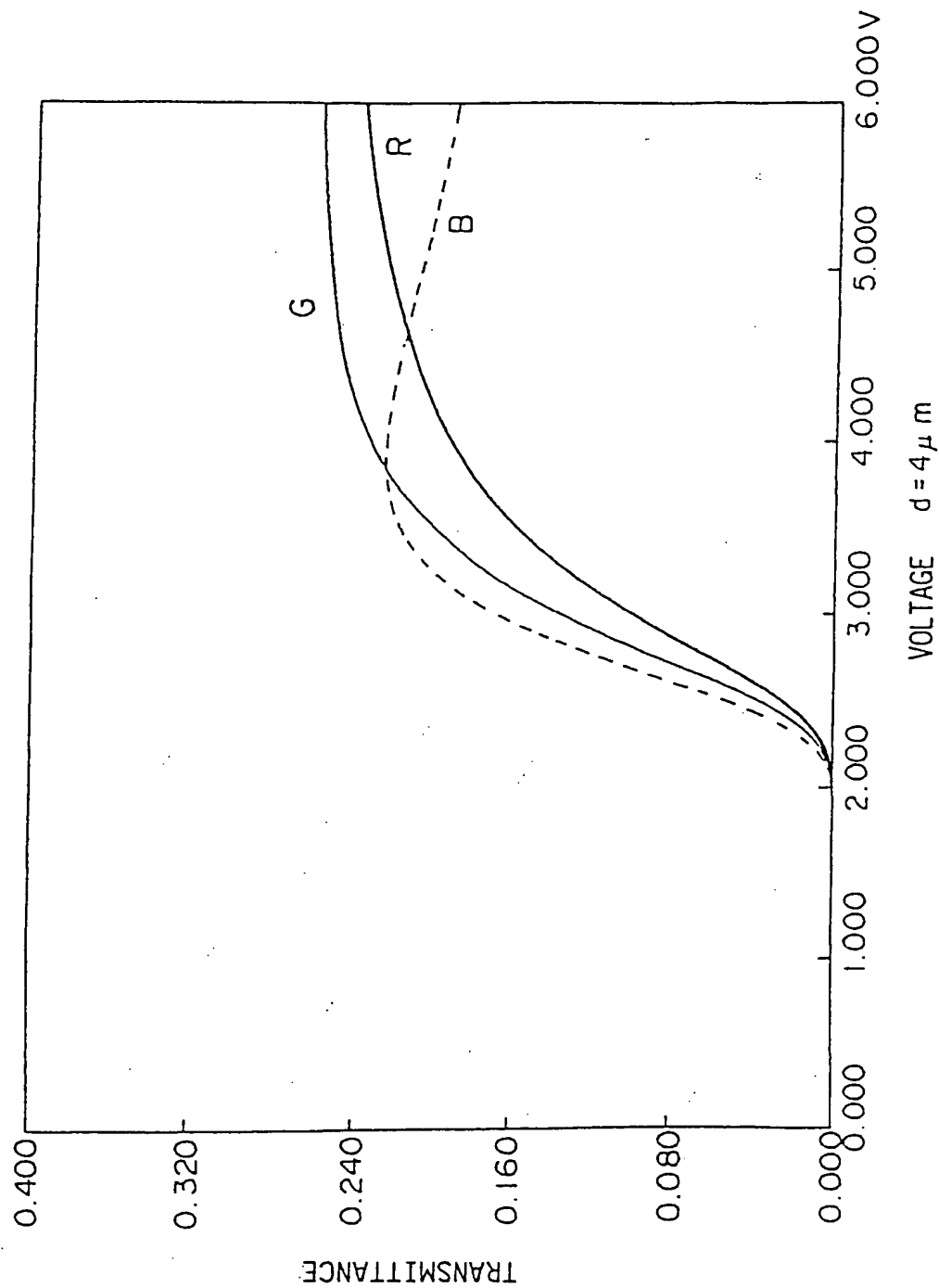


FIG. 27

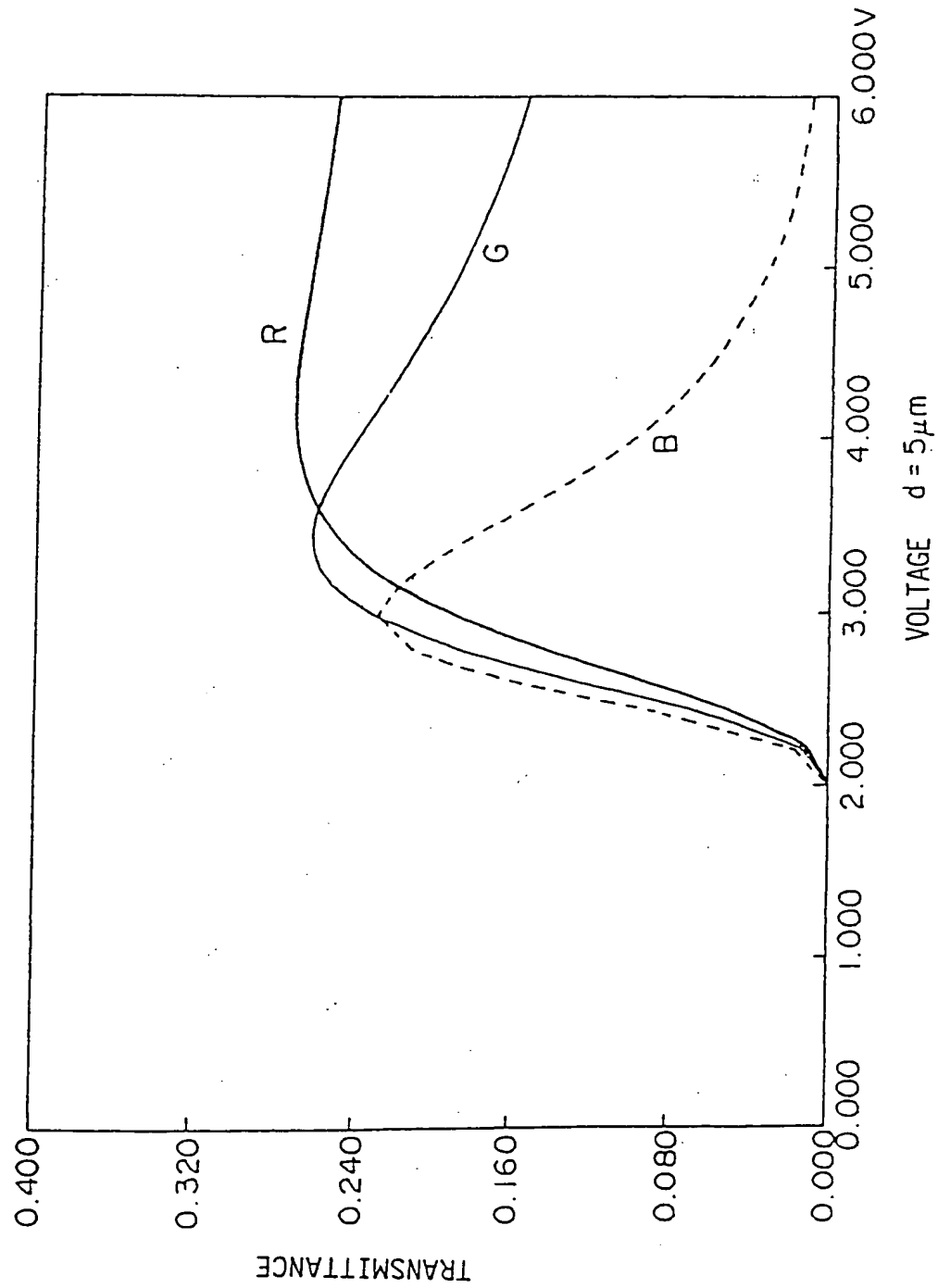


FIG. 28

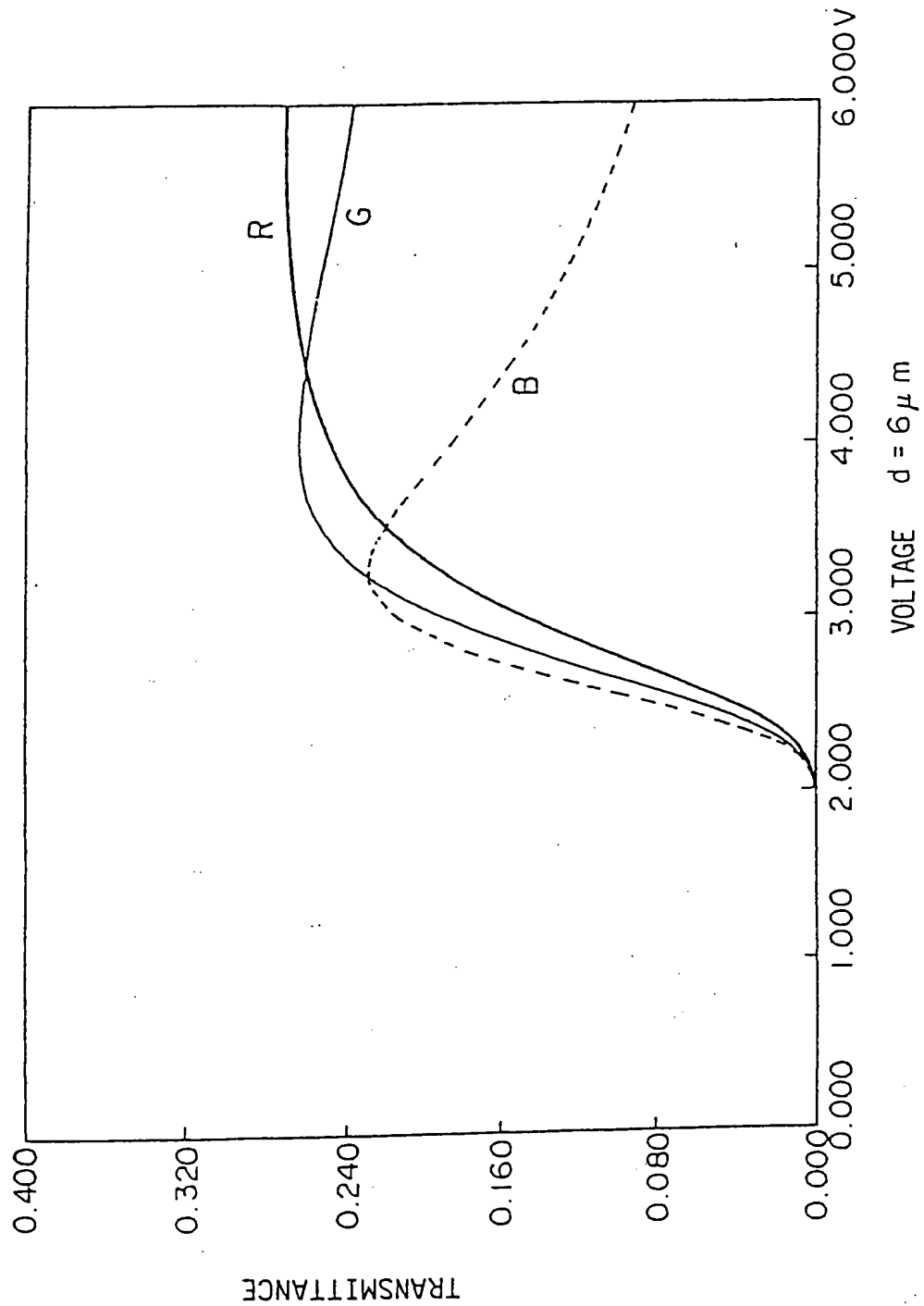
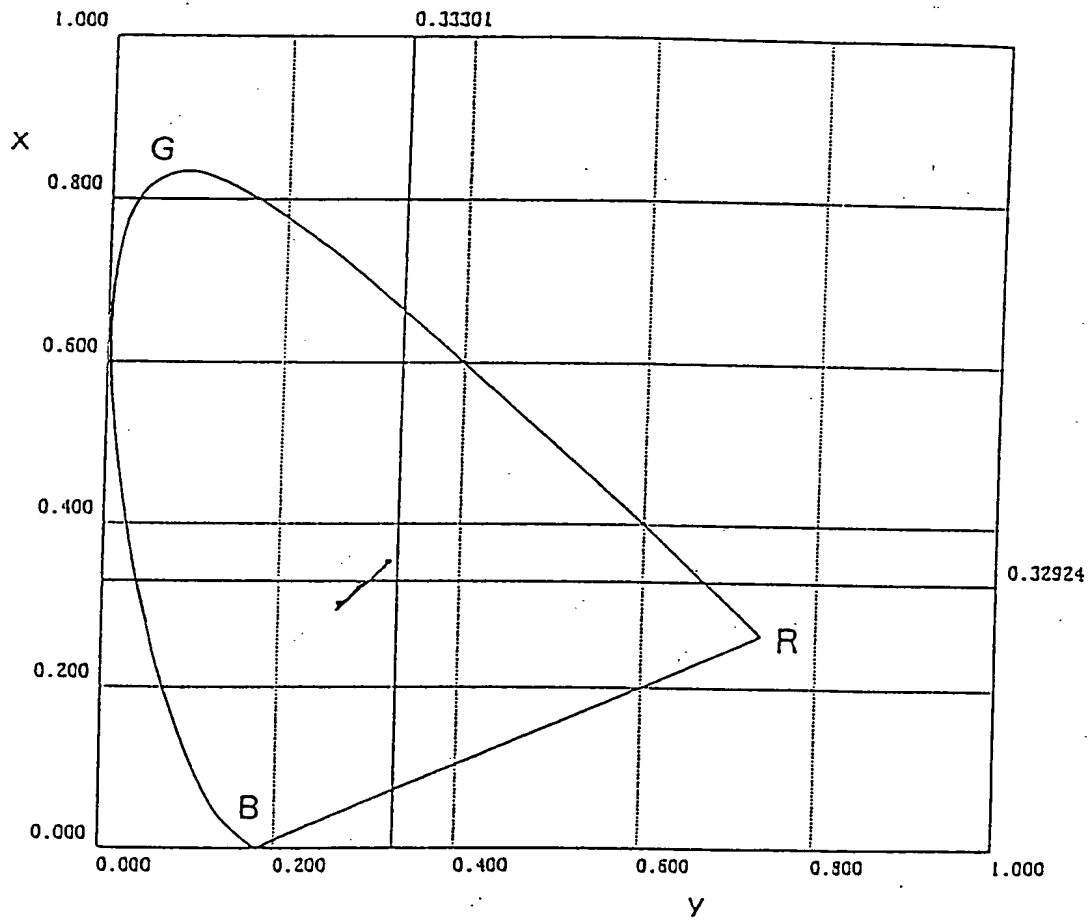


FIG. 29



$d = 1 \mu m$

FIG. 30

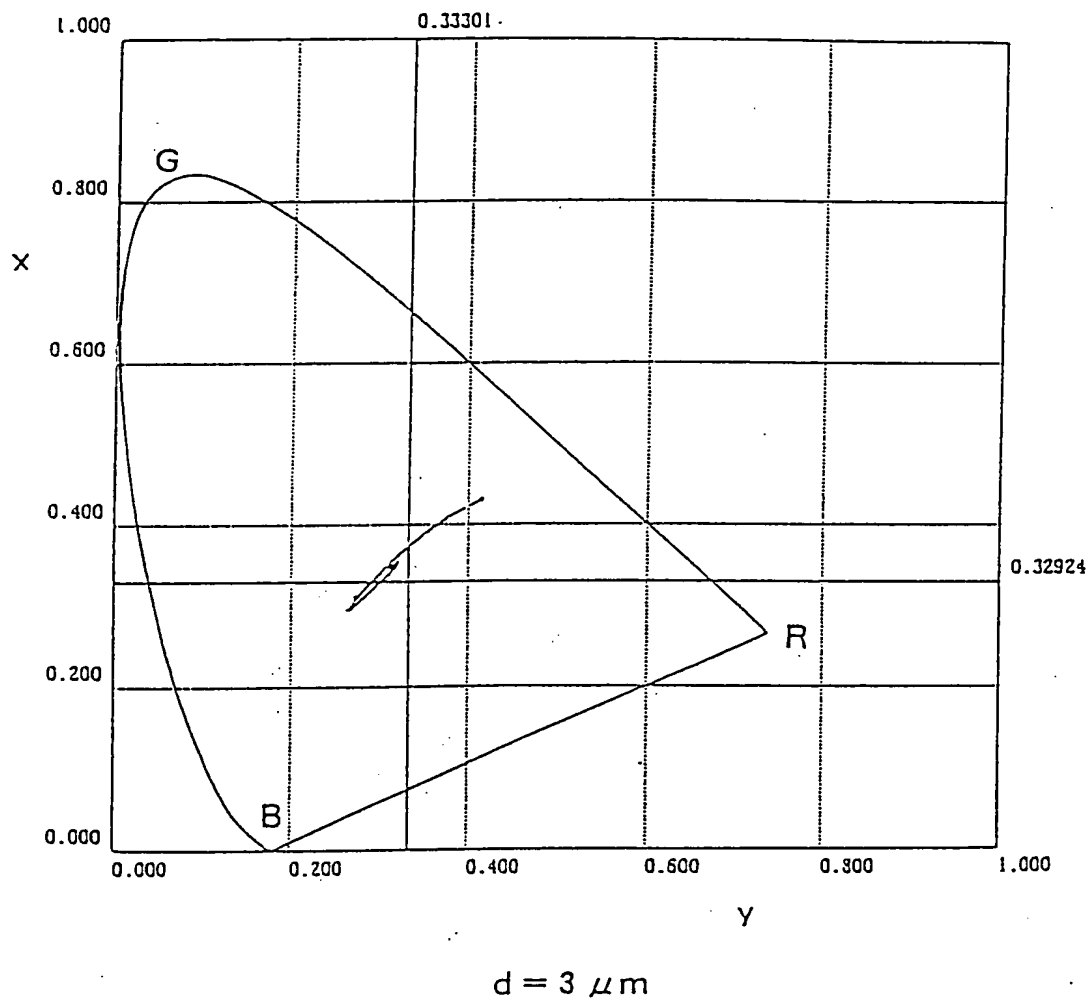
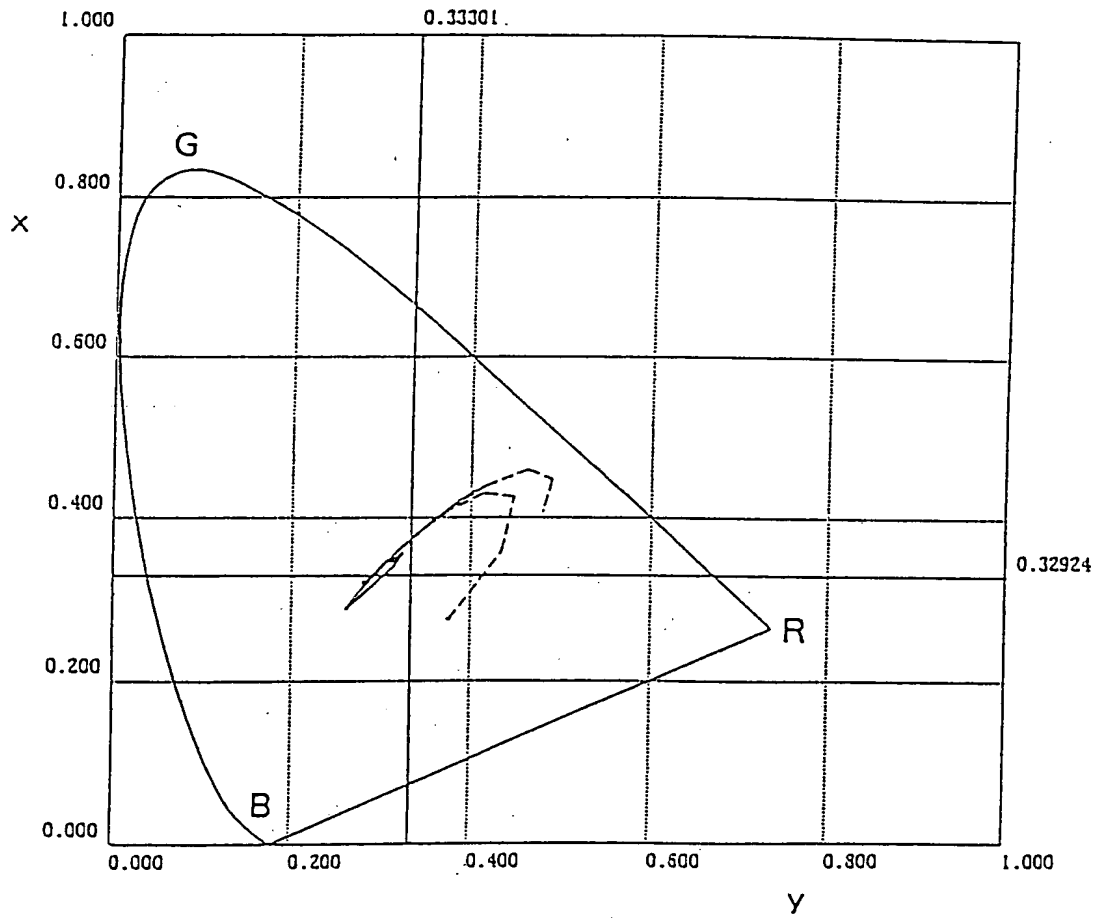


FIG. 31



$$d = 4 \mu\text{m}$$

FIG. 32

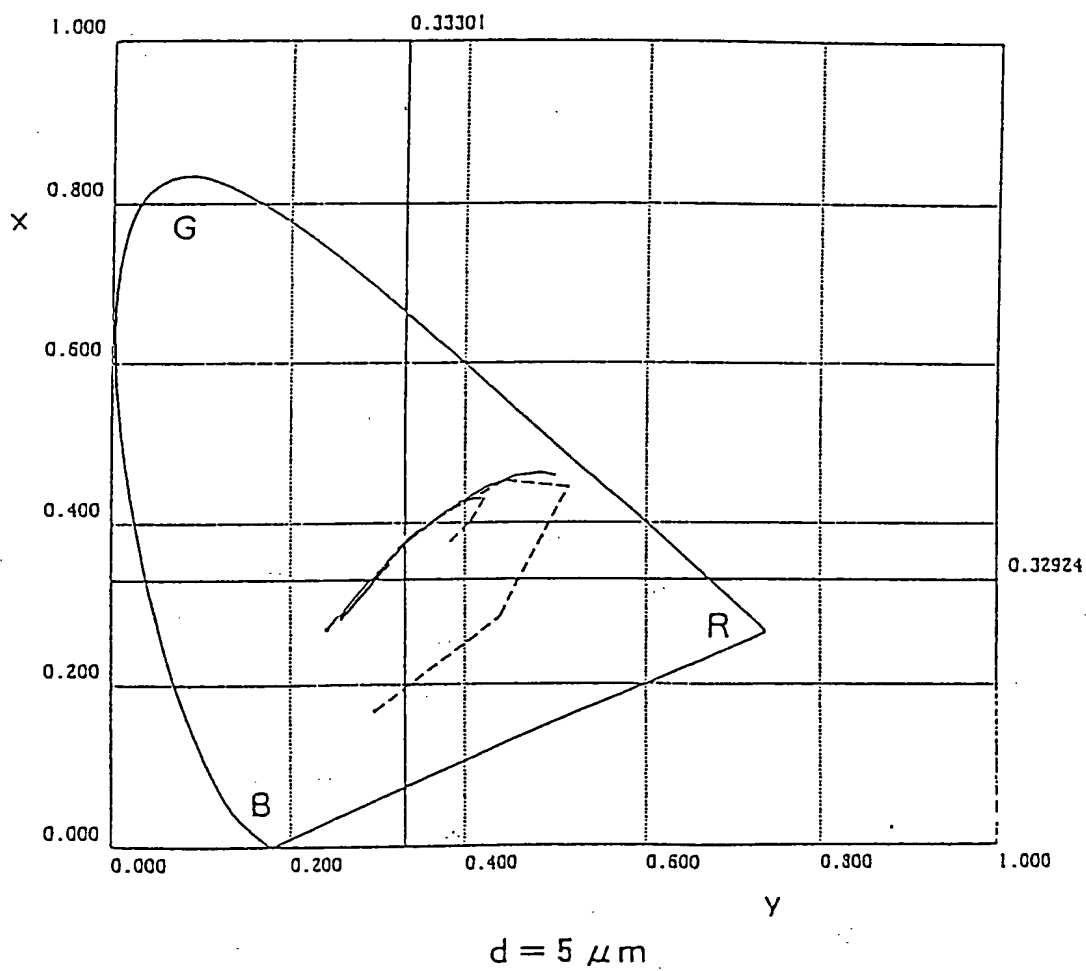


FIG. 33

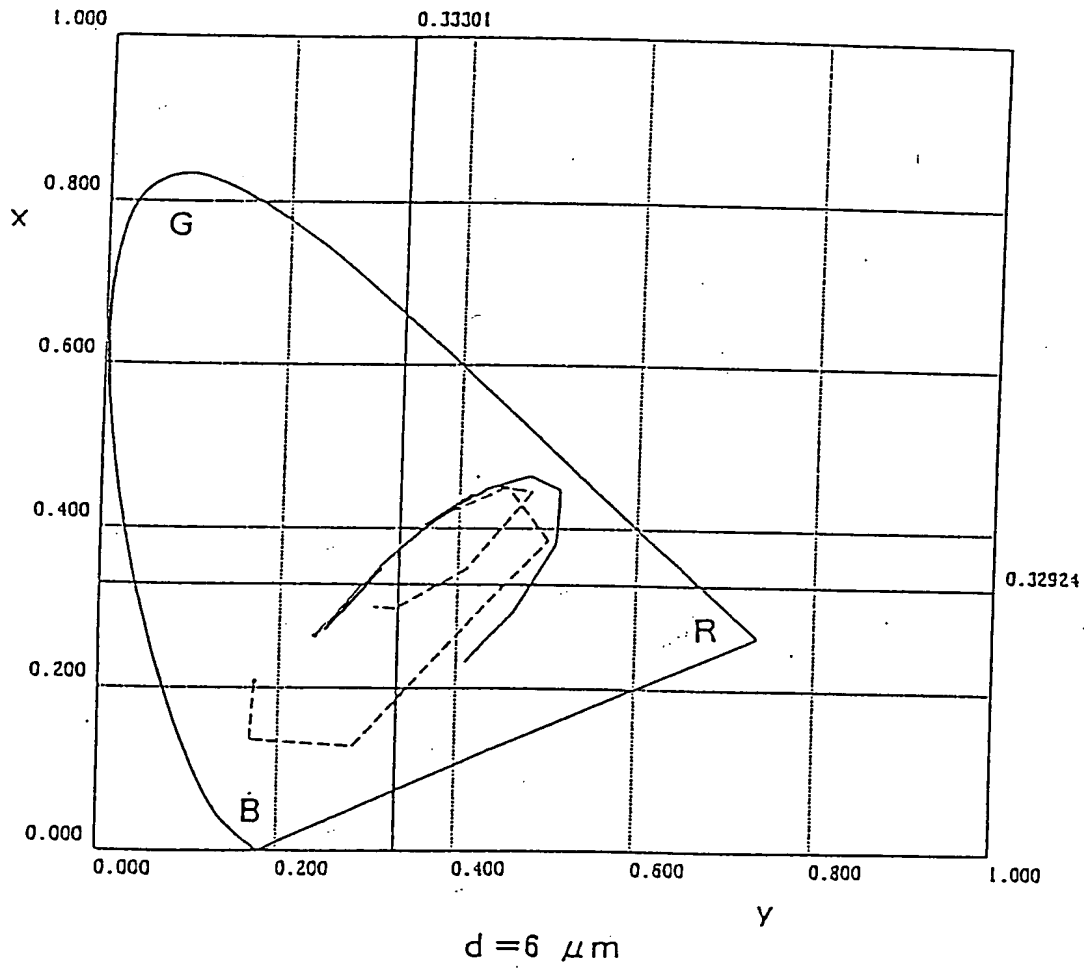


FIG. 34

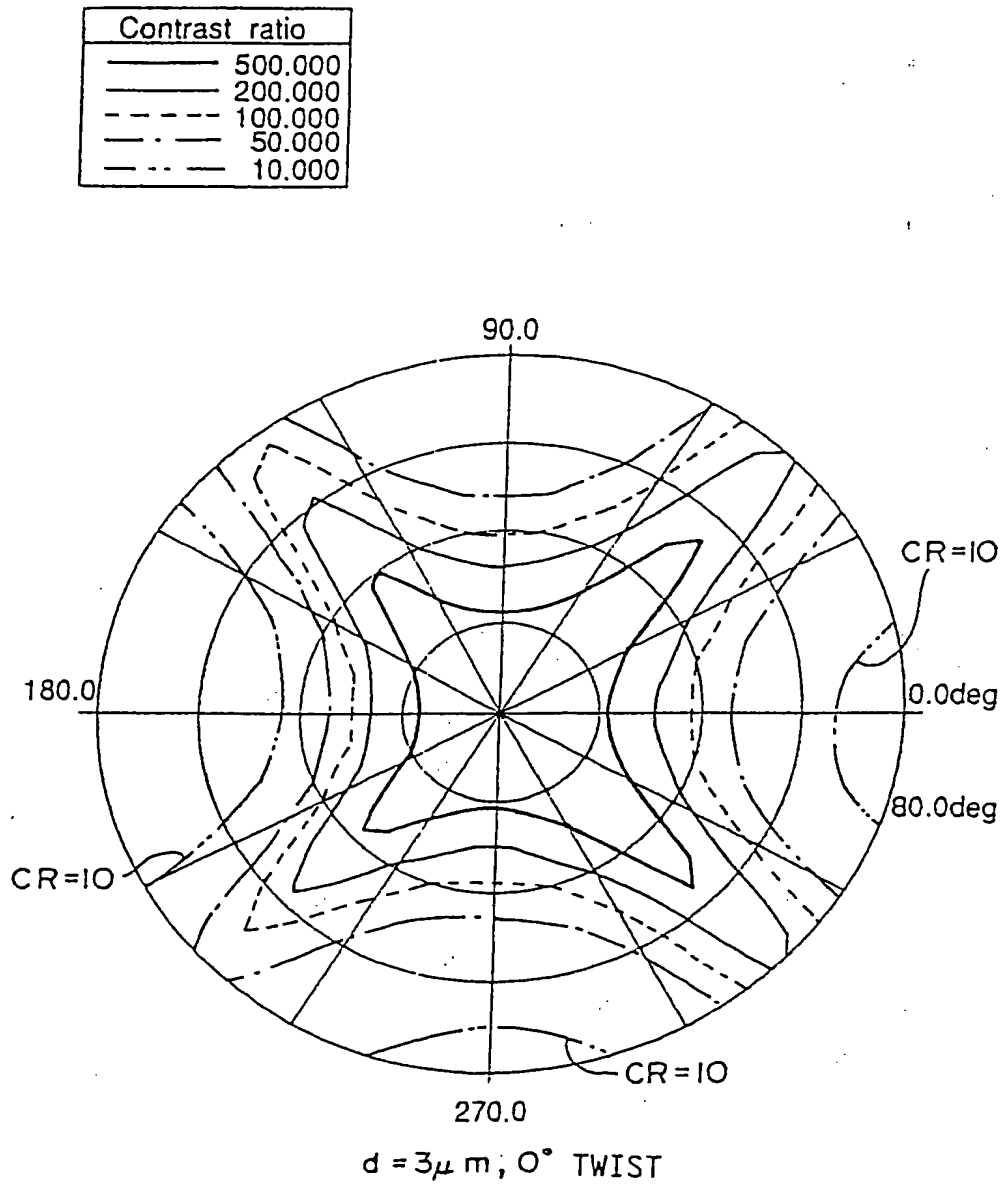


FIG. 35

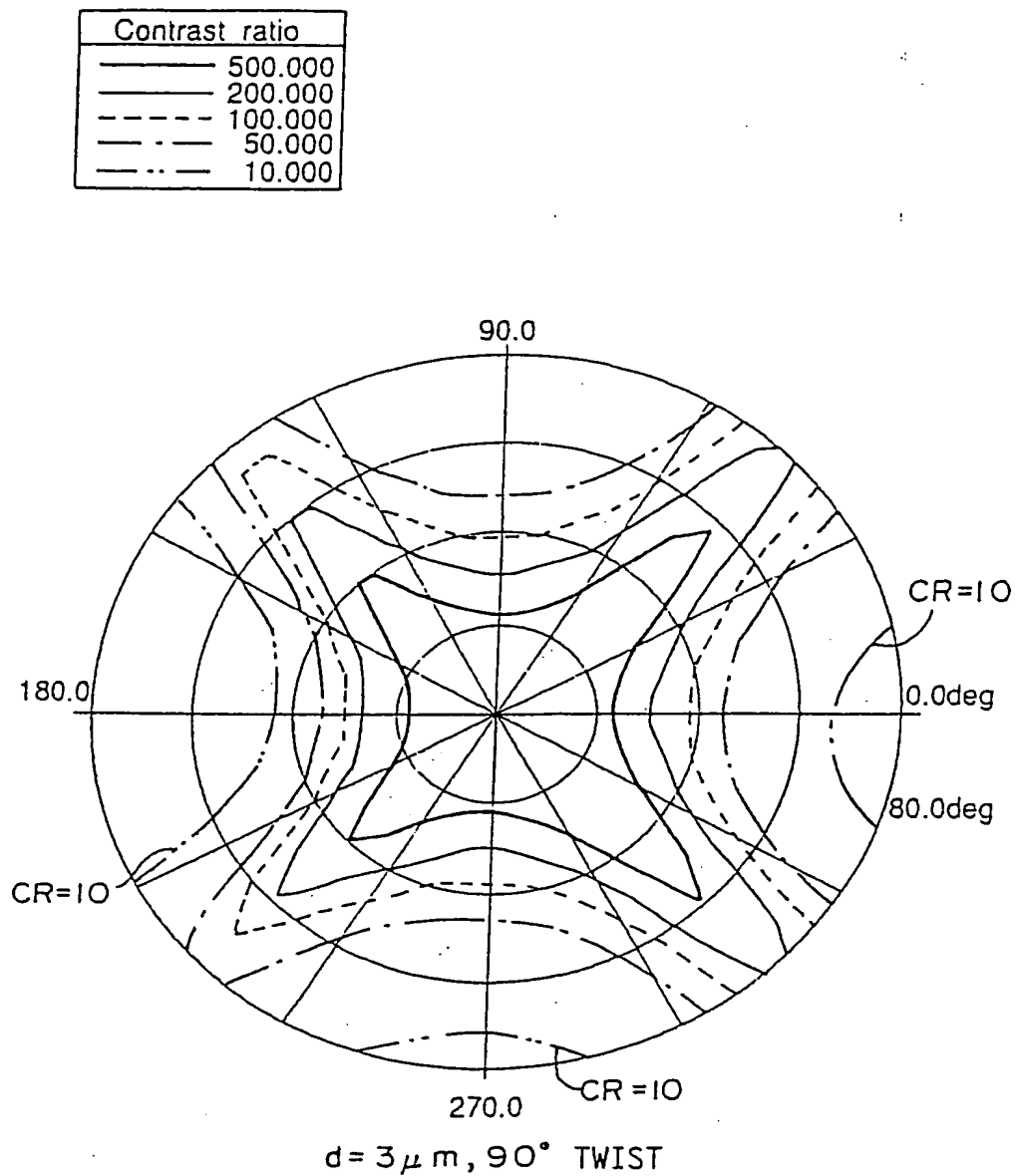


FIG. 36

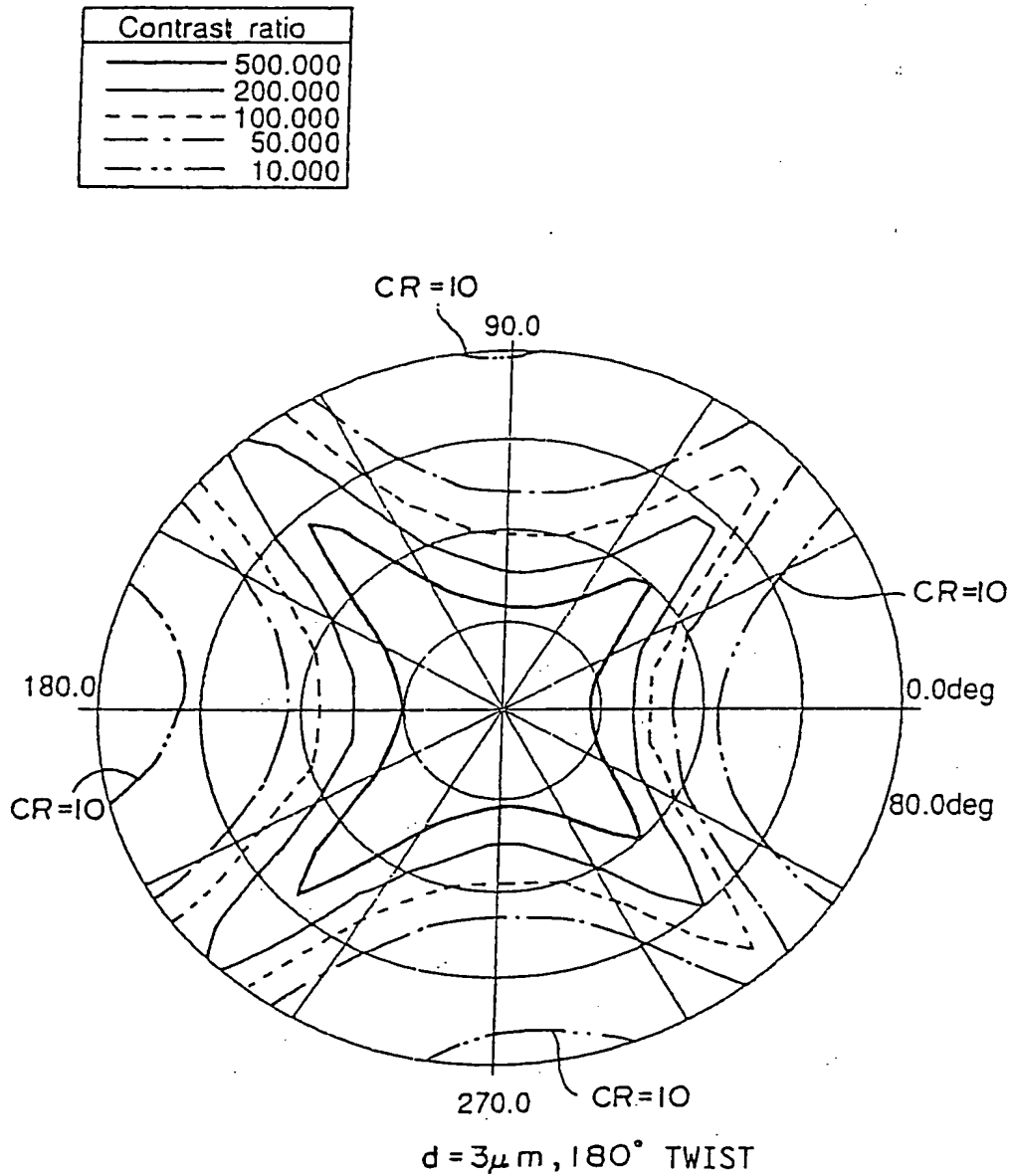
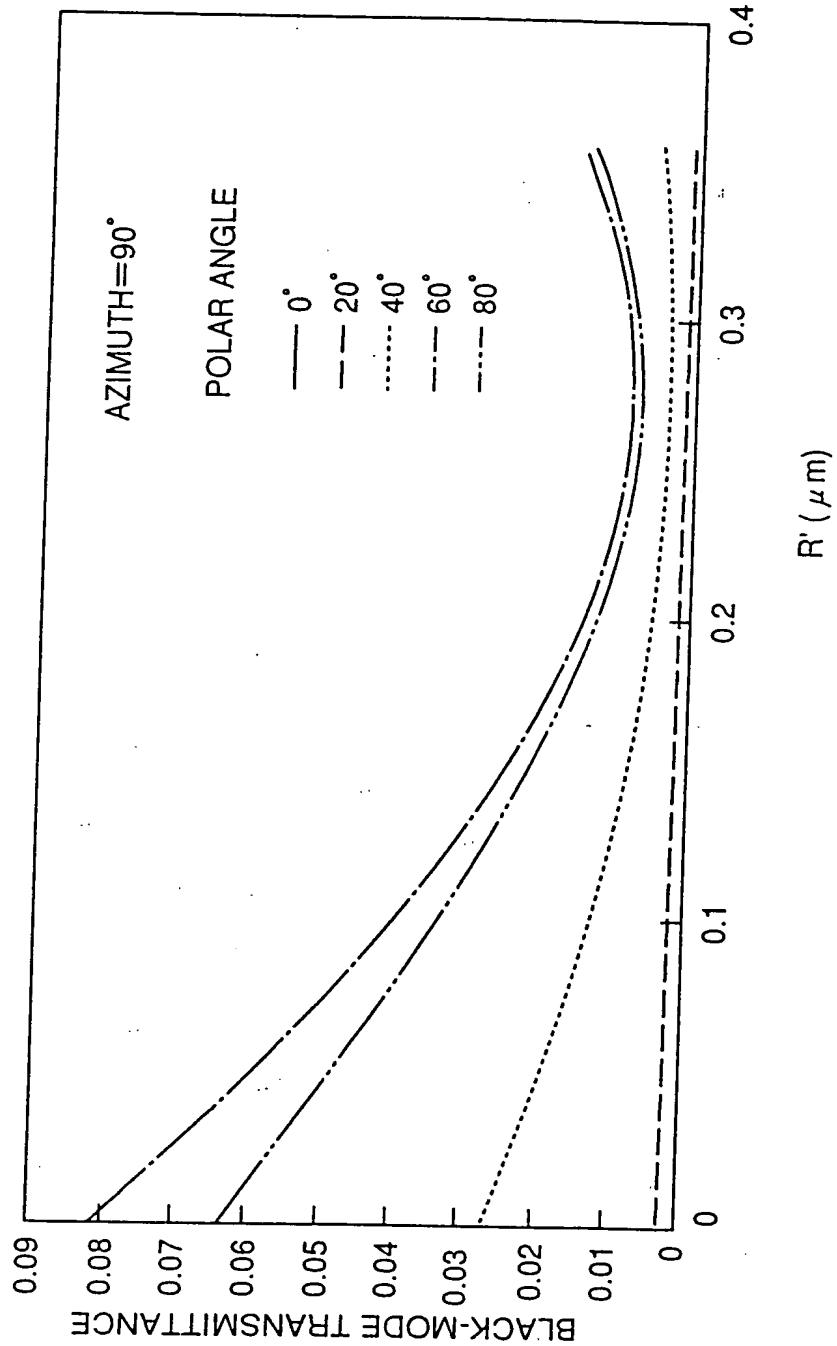


FIG.37



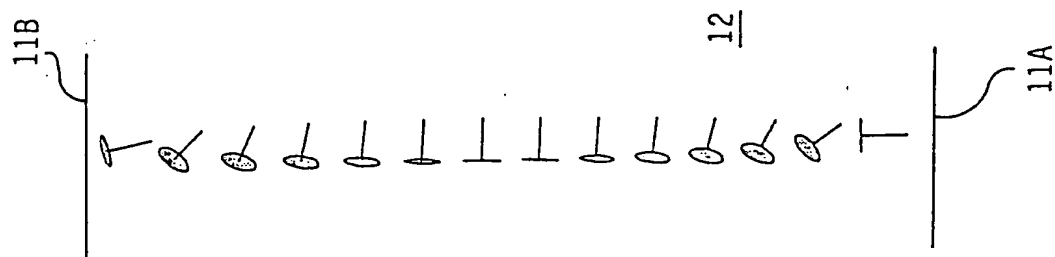


FIG. 38B

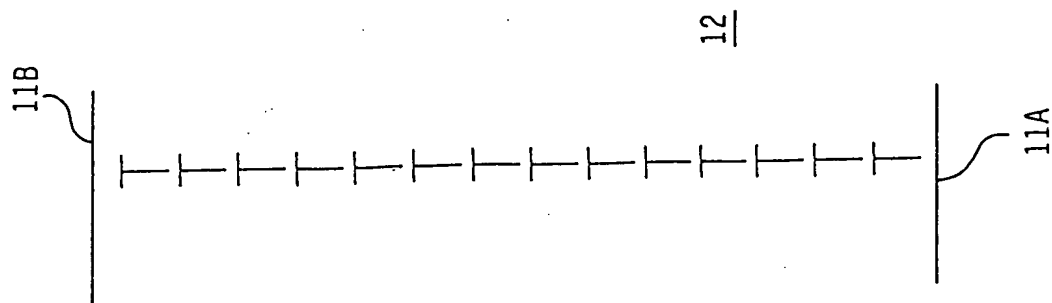


FIG. 38A

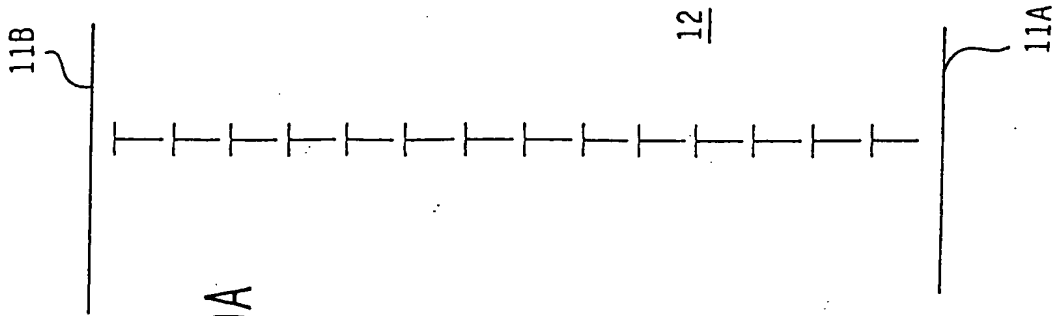
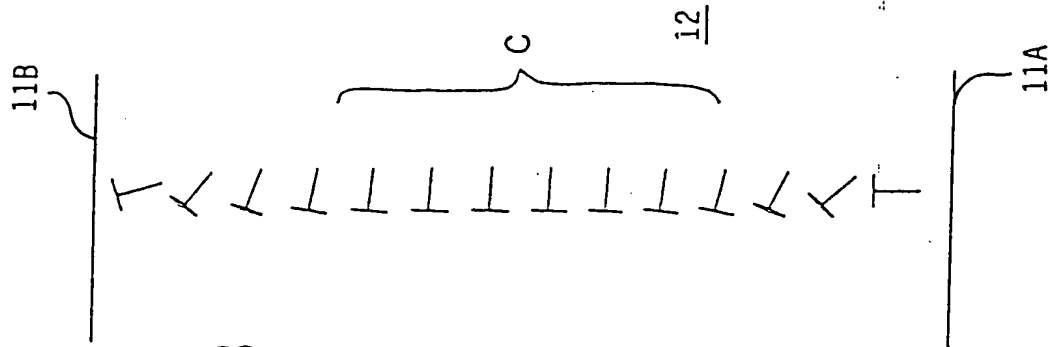


FIG. 40

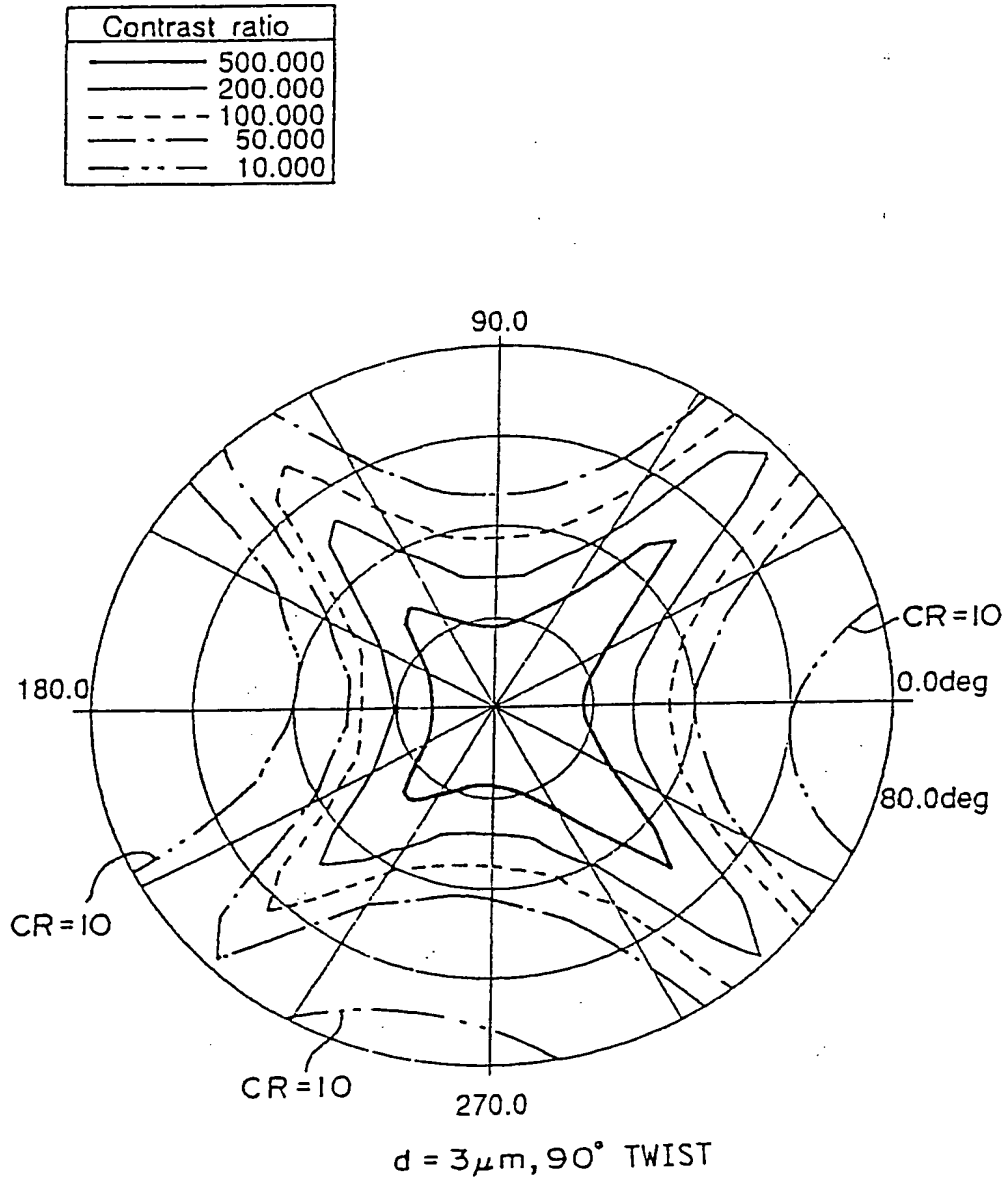


FIG. 41

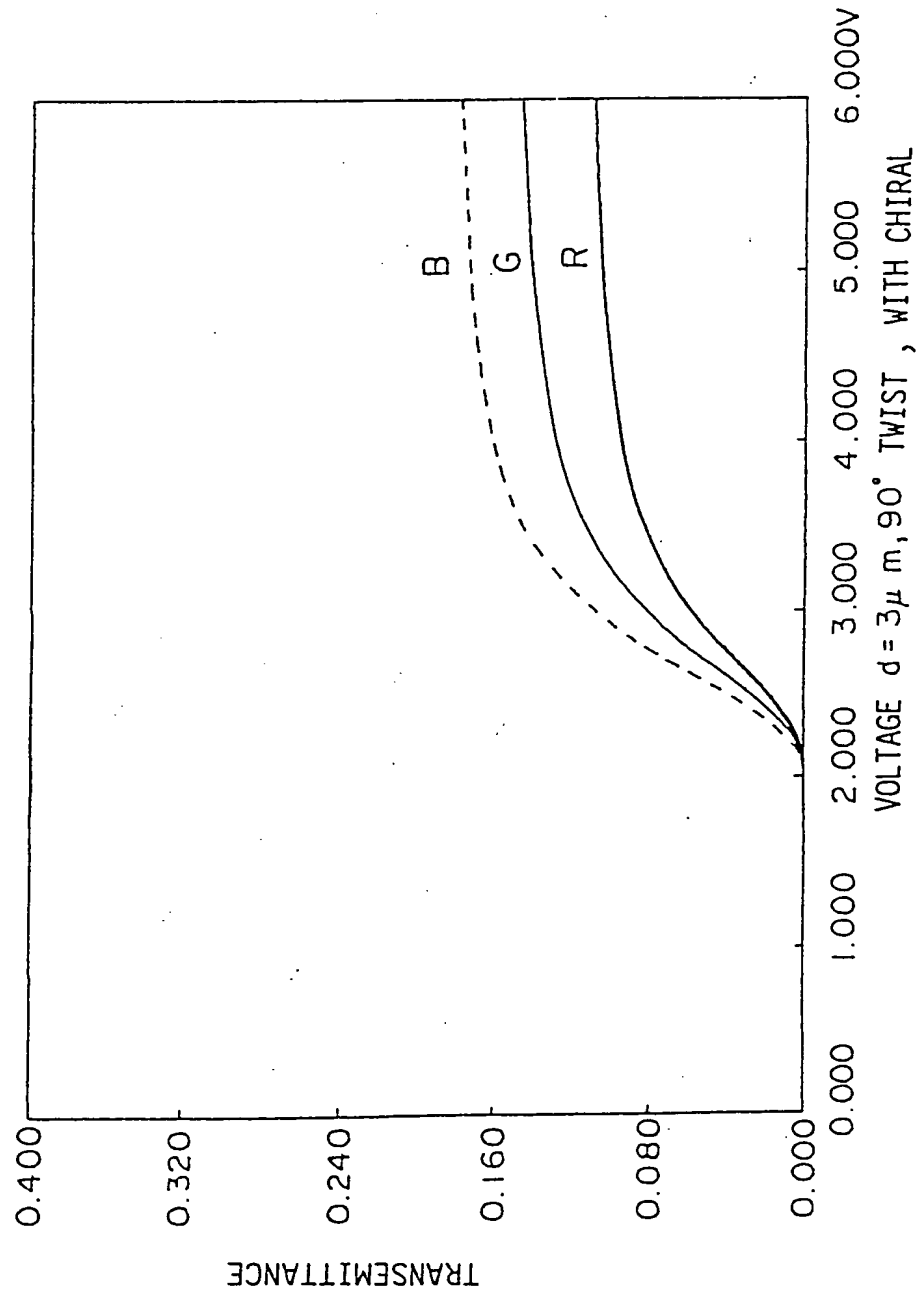


FIG. 42

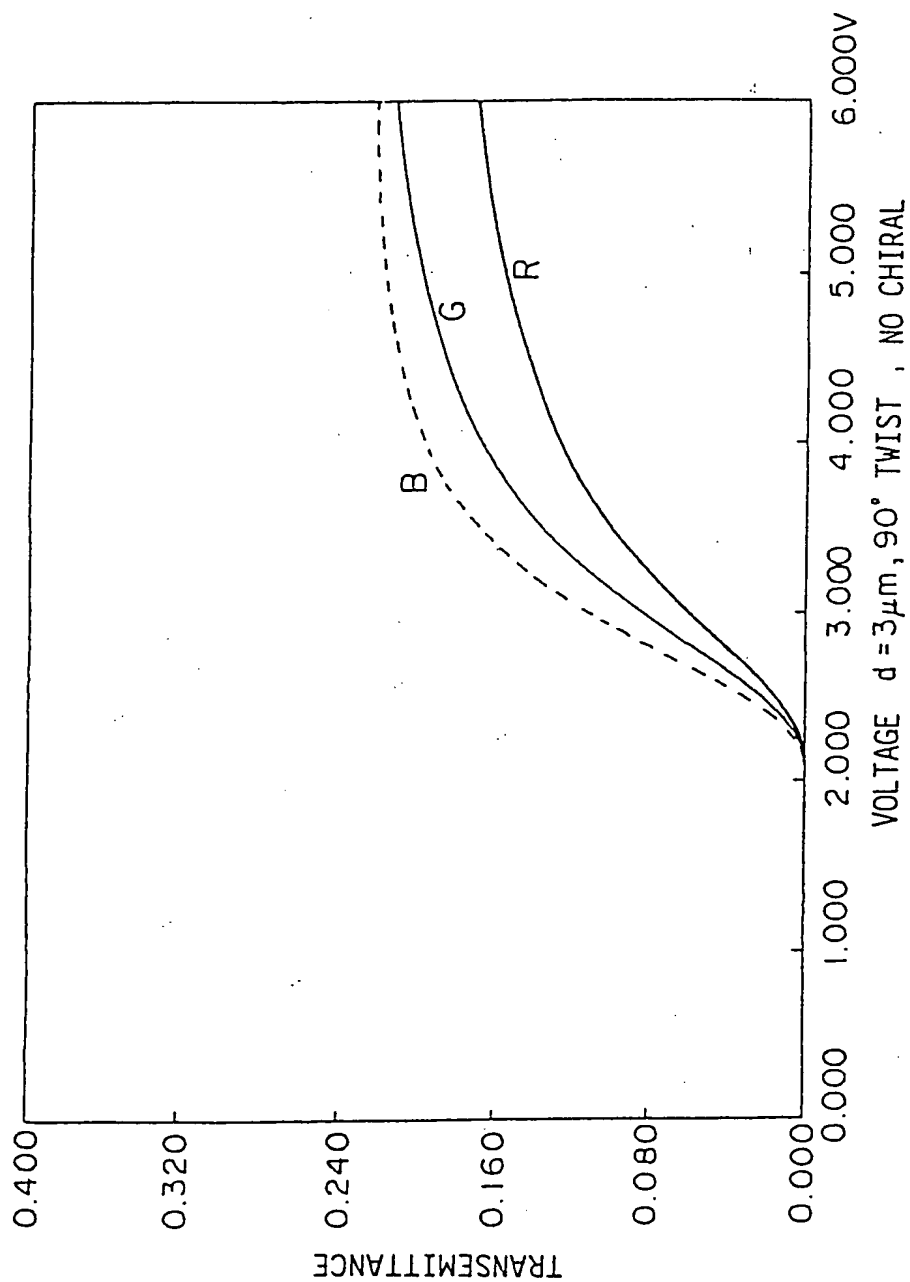
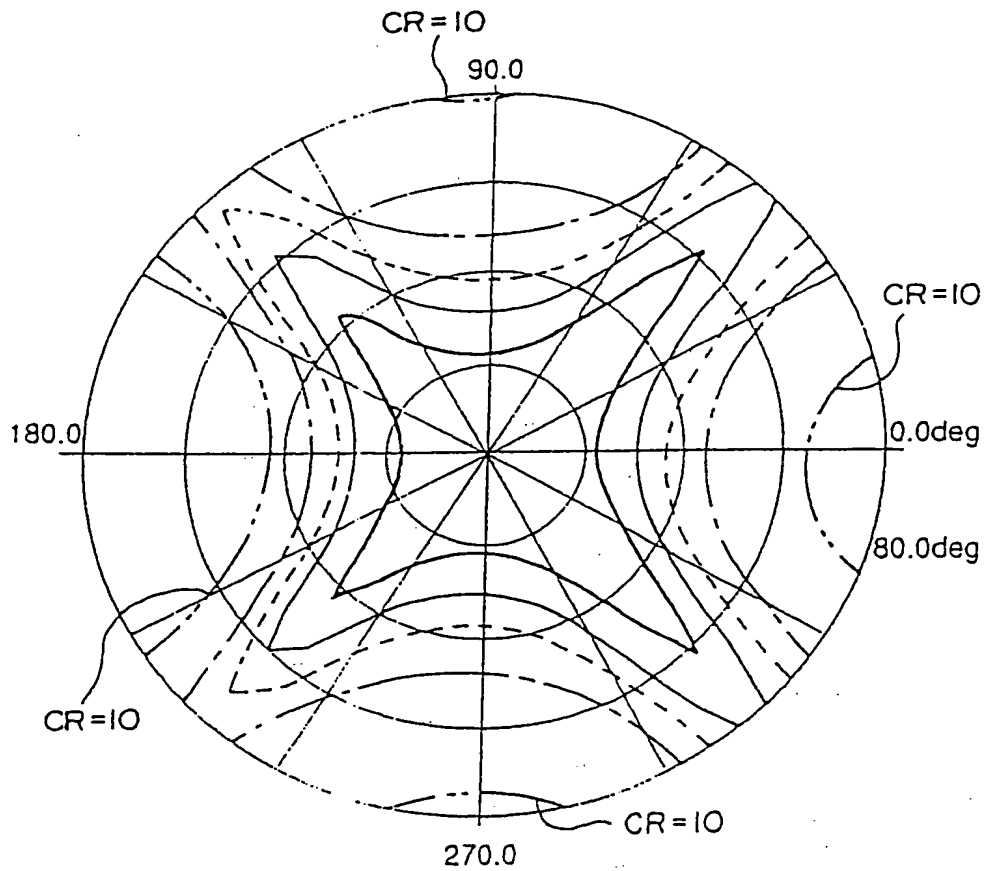


FIG. 43

Contrast ratio	
————	500.000
————	200.000
-----	100.000
-----	50.000
-----	10.000



PRETILT= 89.99°
CELL= 3μm, 45° TWIST

FIG. 44

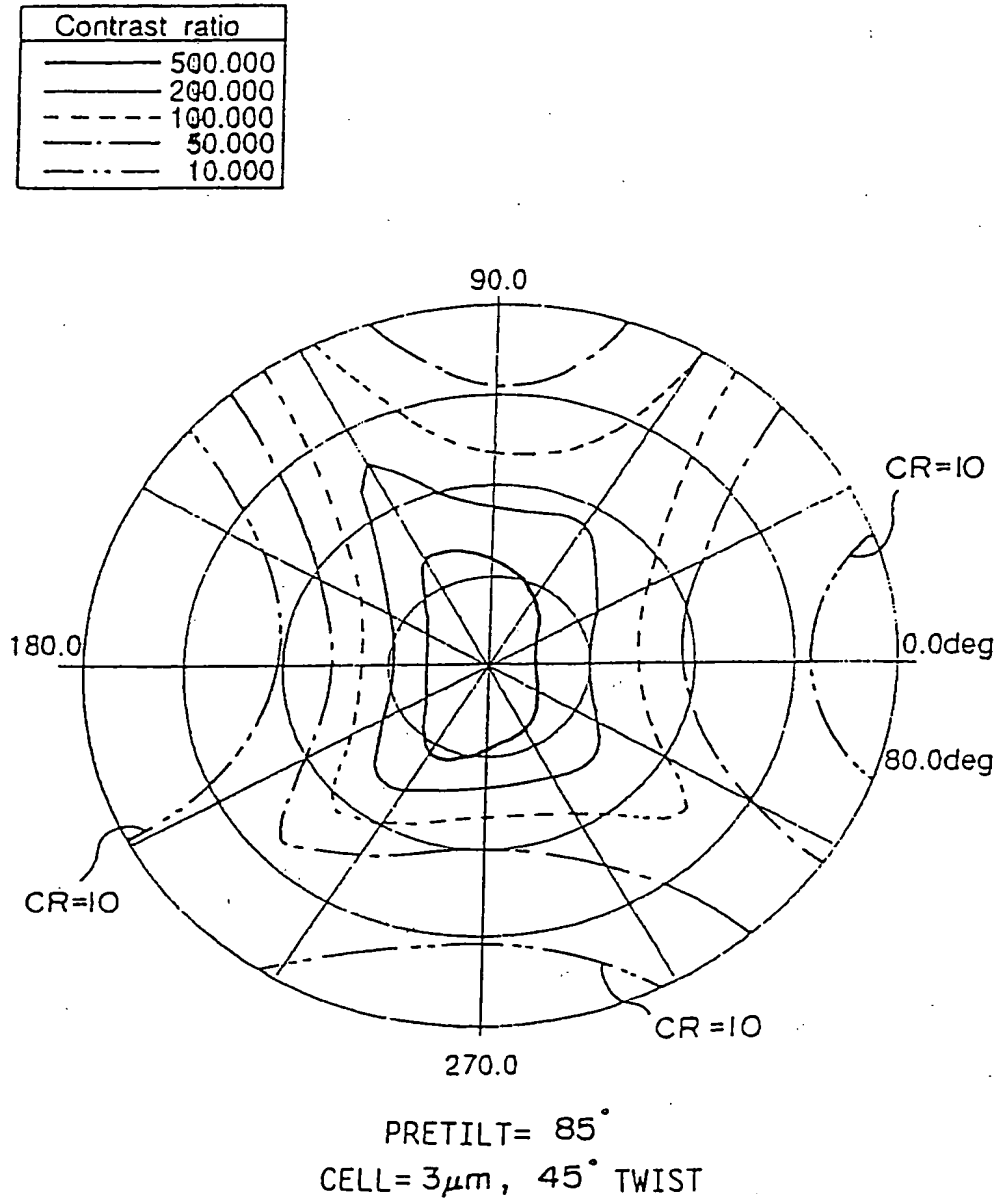


FIG. 45

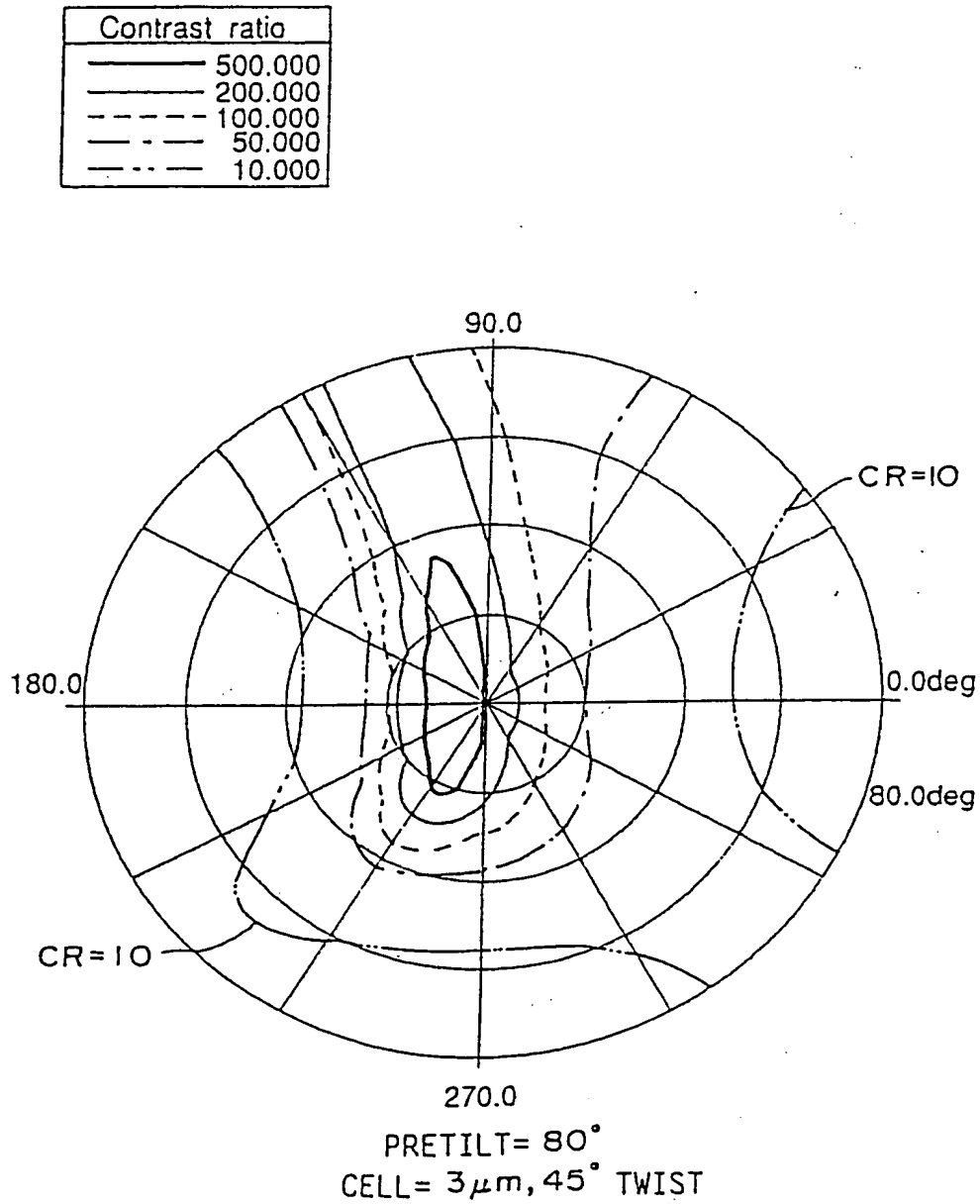


FIG. 46

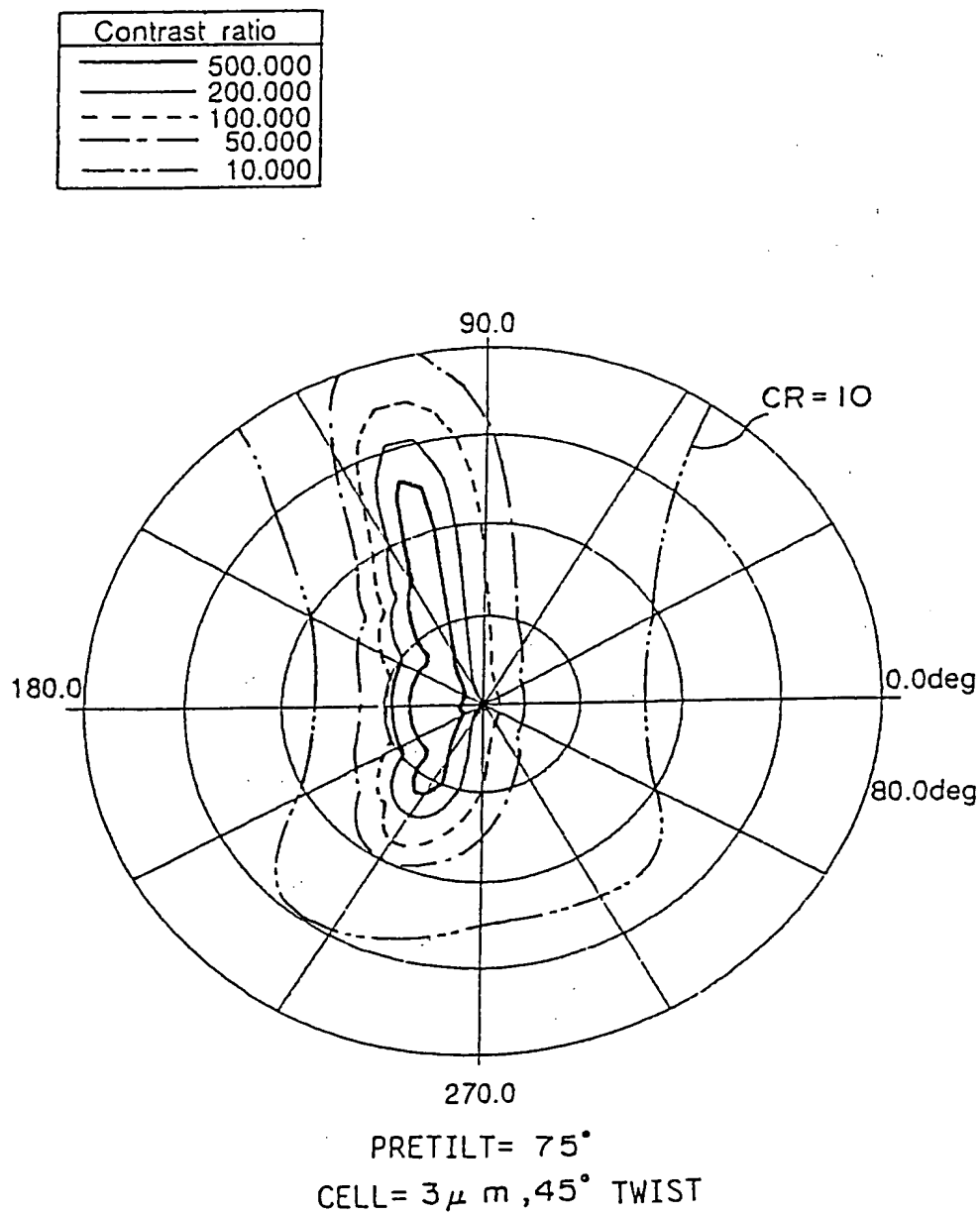


FIG. 47 PRIOR ART

Contrast ratio	
————	500.000
————	200.000
- - - - -	100.000
-	50.000
- - - - -	10.000

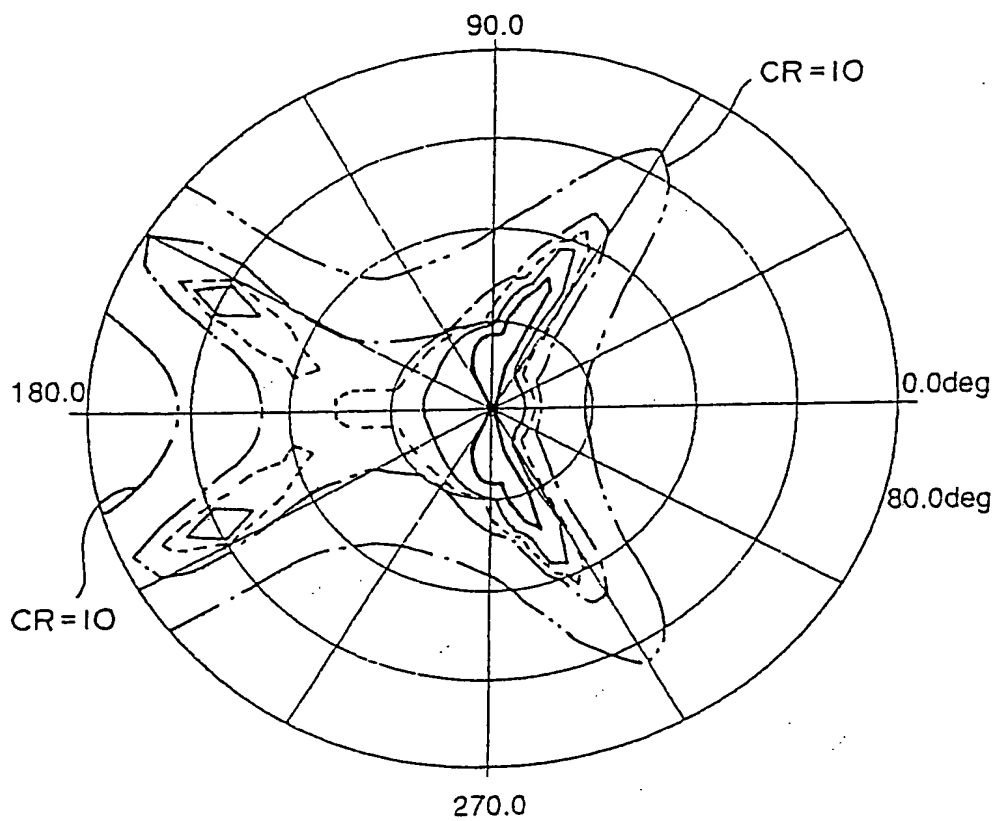


FIG. 48

30

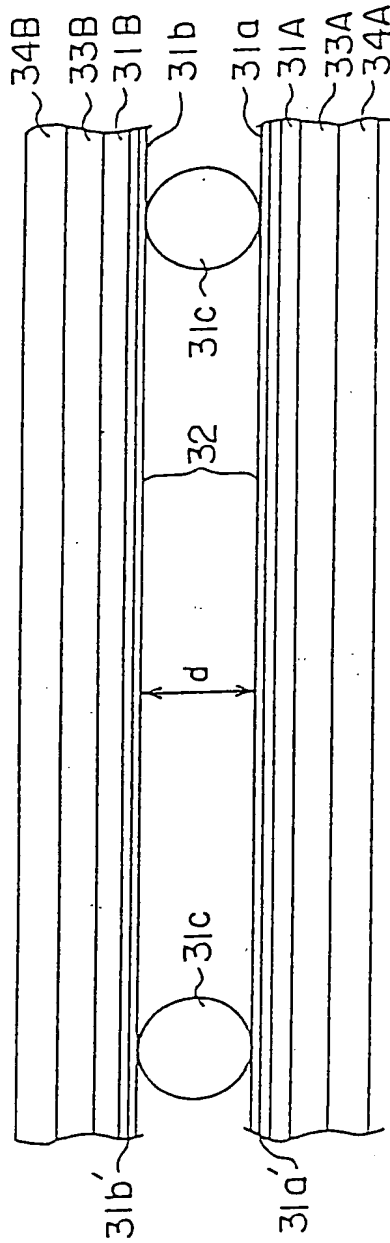


FIG. 49A

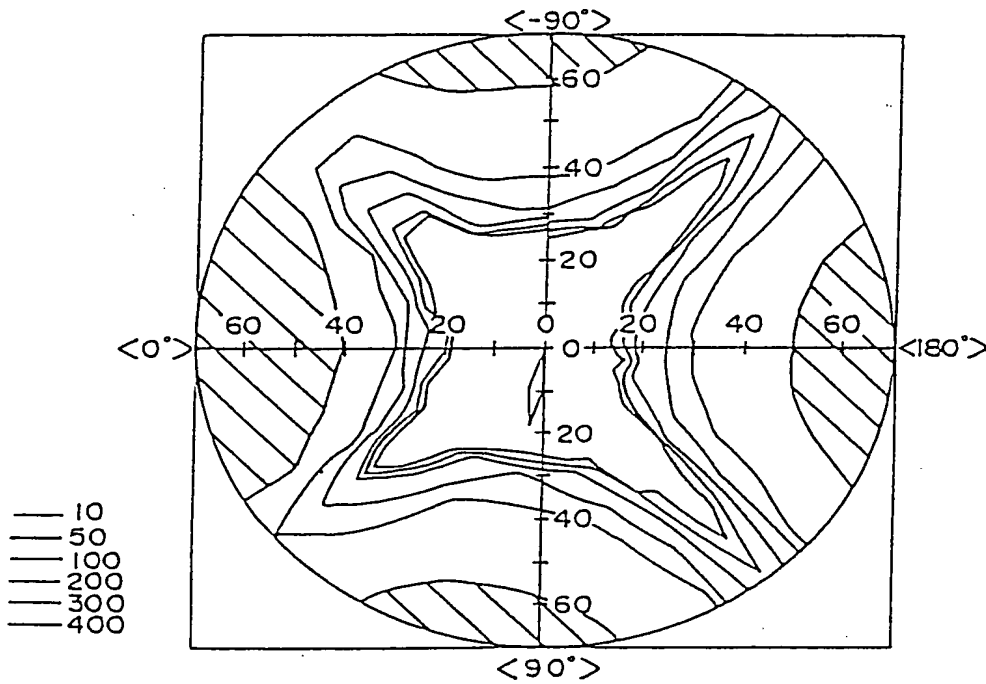


FIG. 49B

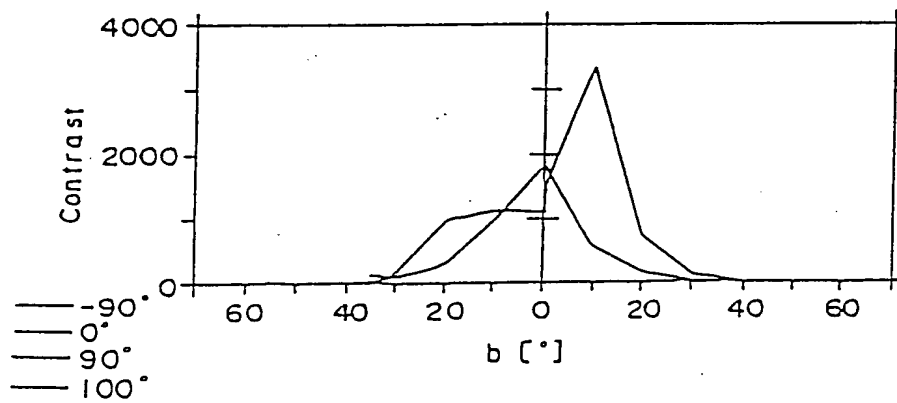


FIG. 50A

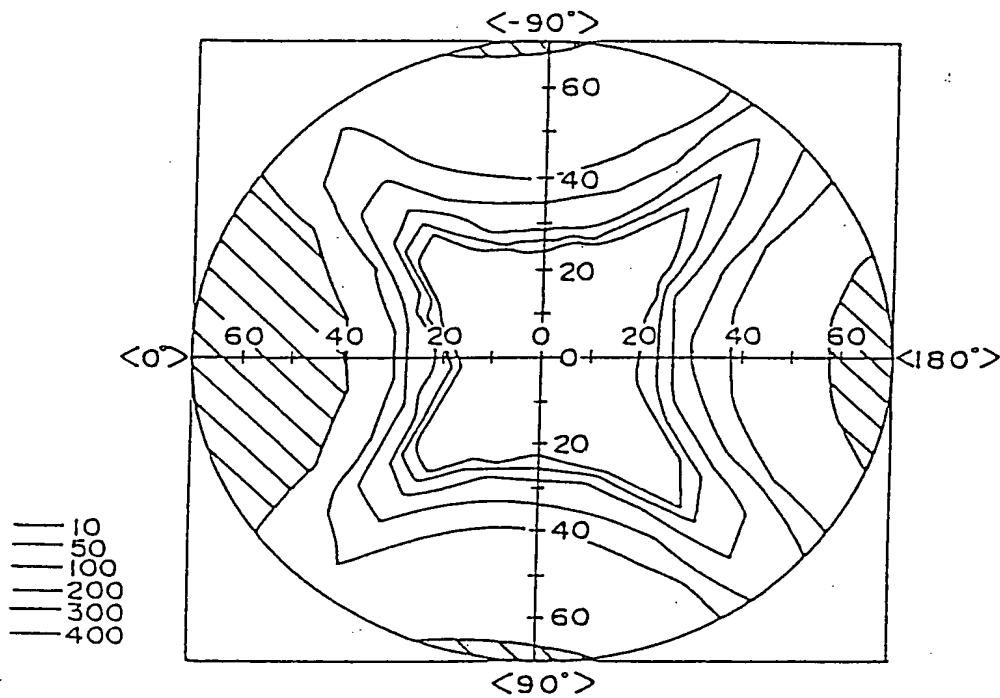


FIG. 50B

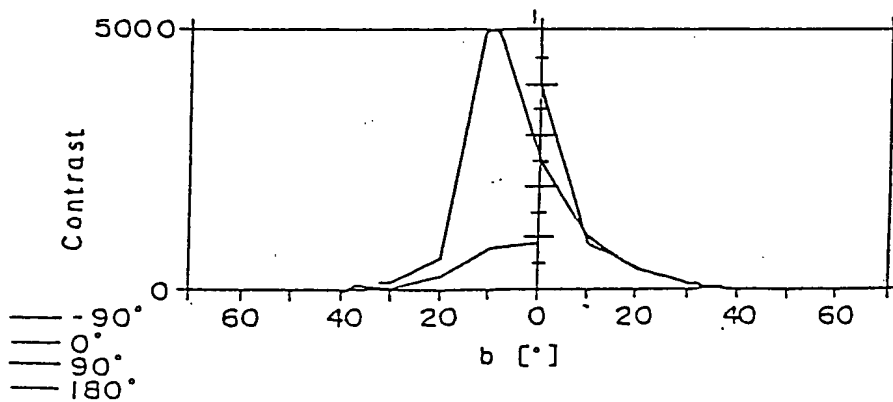


FIG. 51

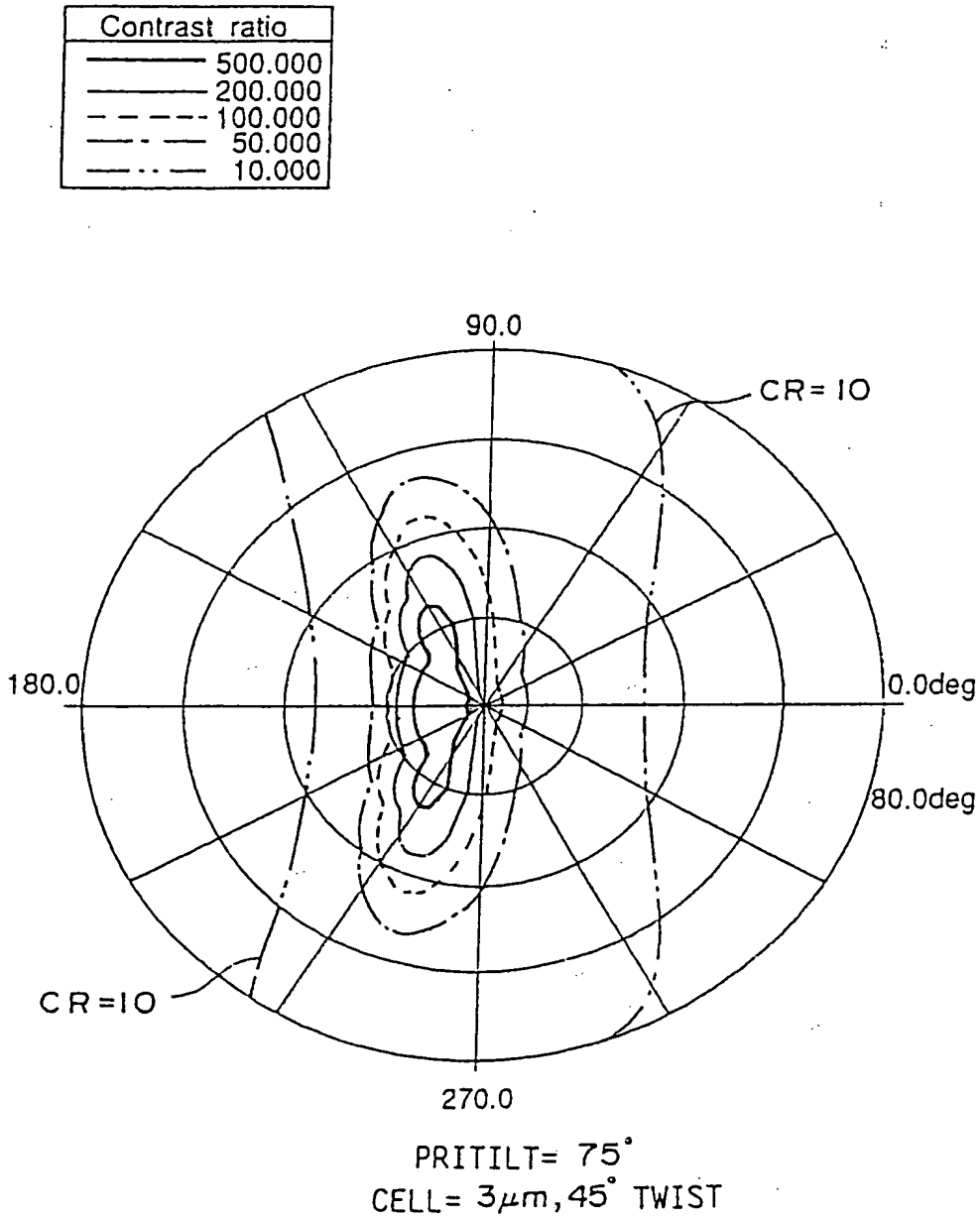


FIG. 52

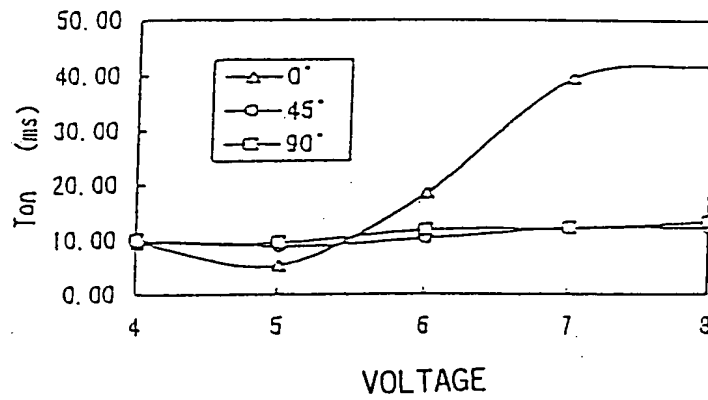


FIG. 53

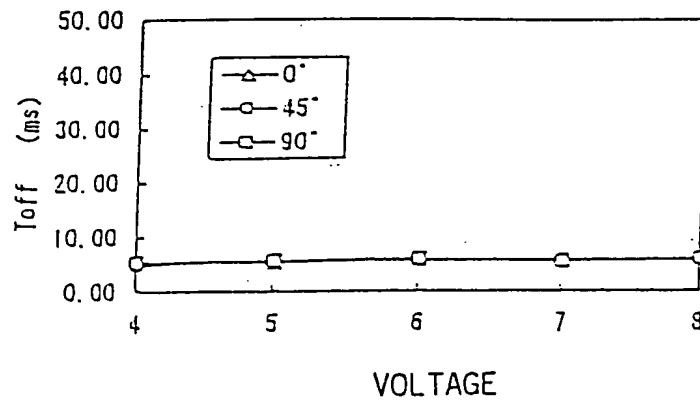
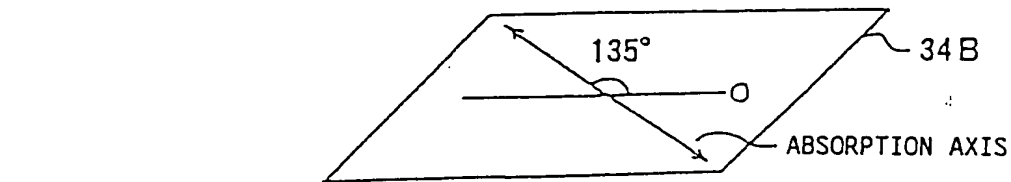
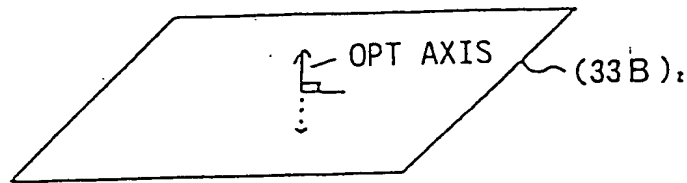


FIG. 54

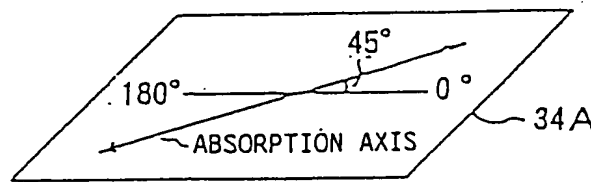
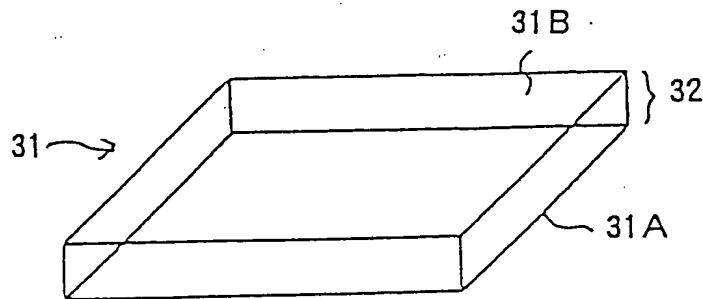
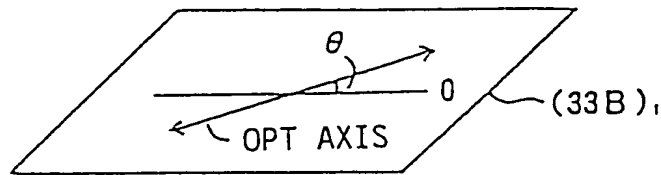
40



$$n_x = n_y > n_z$$



$$n_x > n_y = n_z$$



↑↑
 BEAM IN

FIG. 55

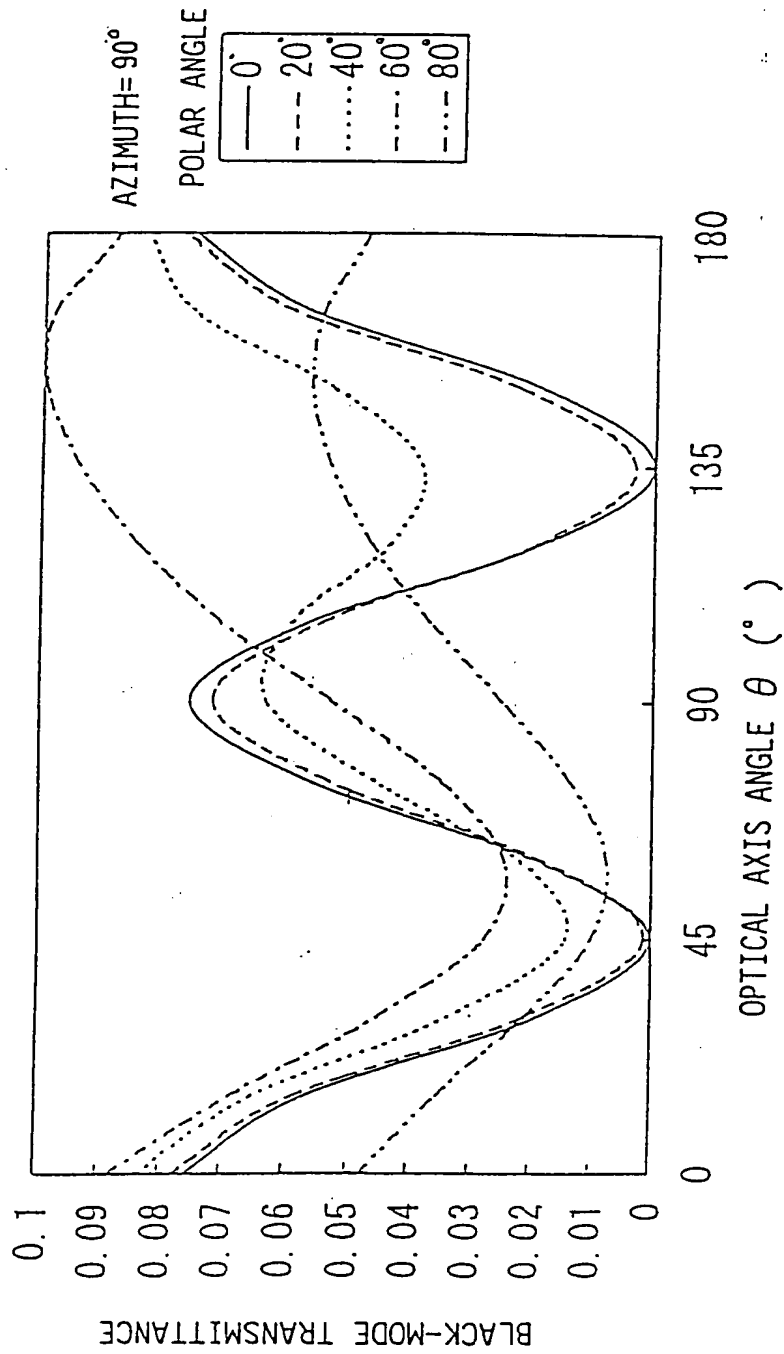


FIG. 56

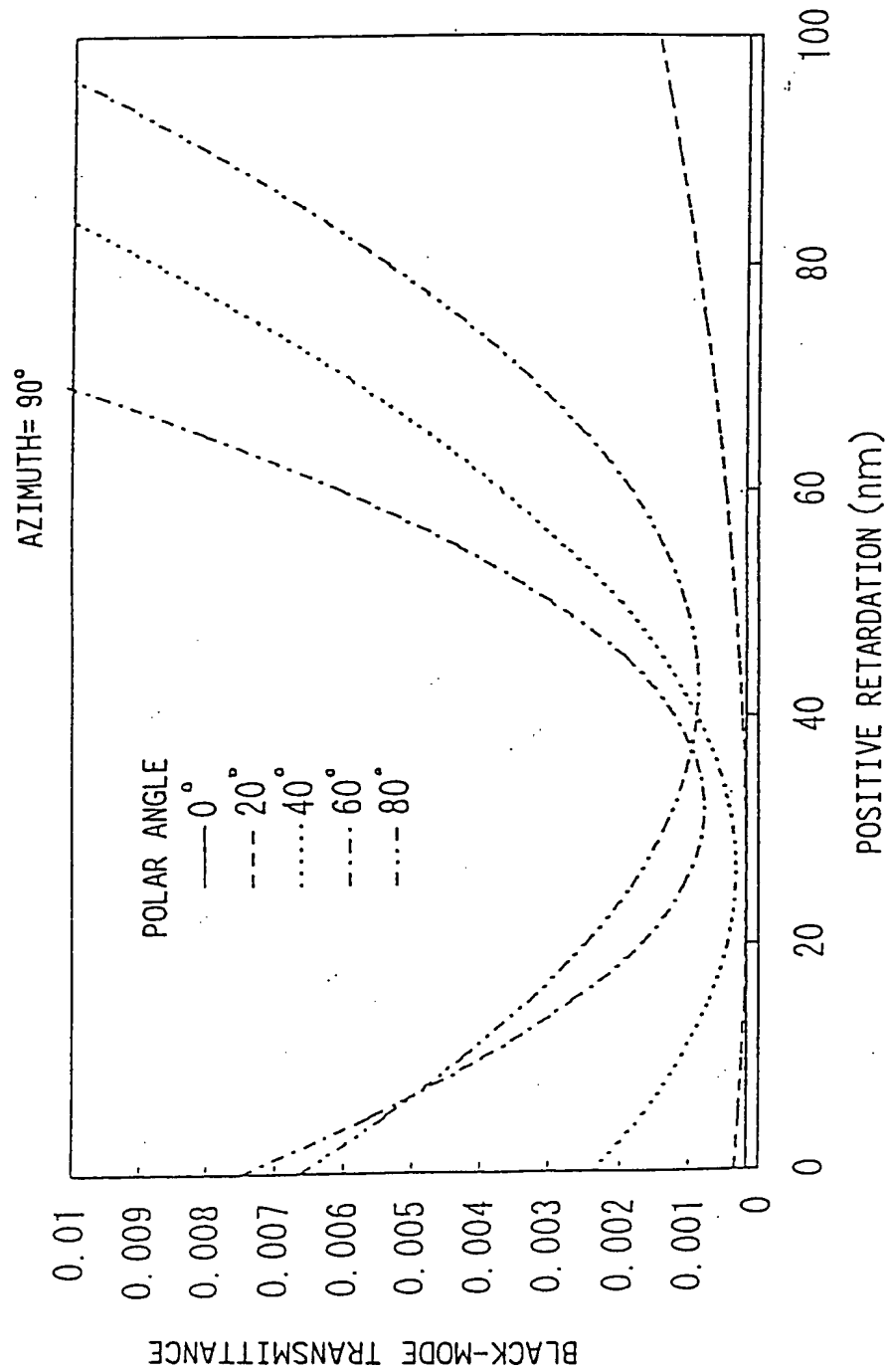


FIG.57

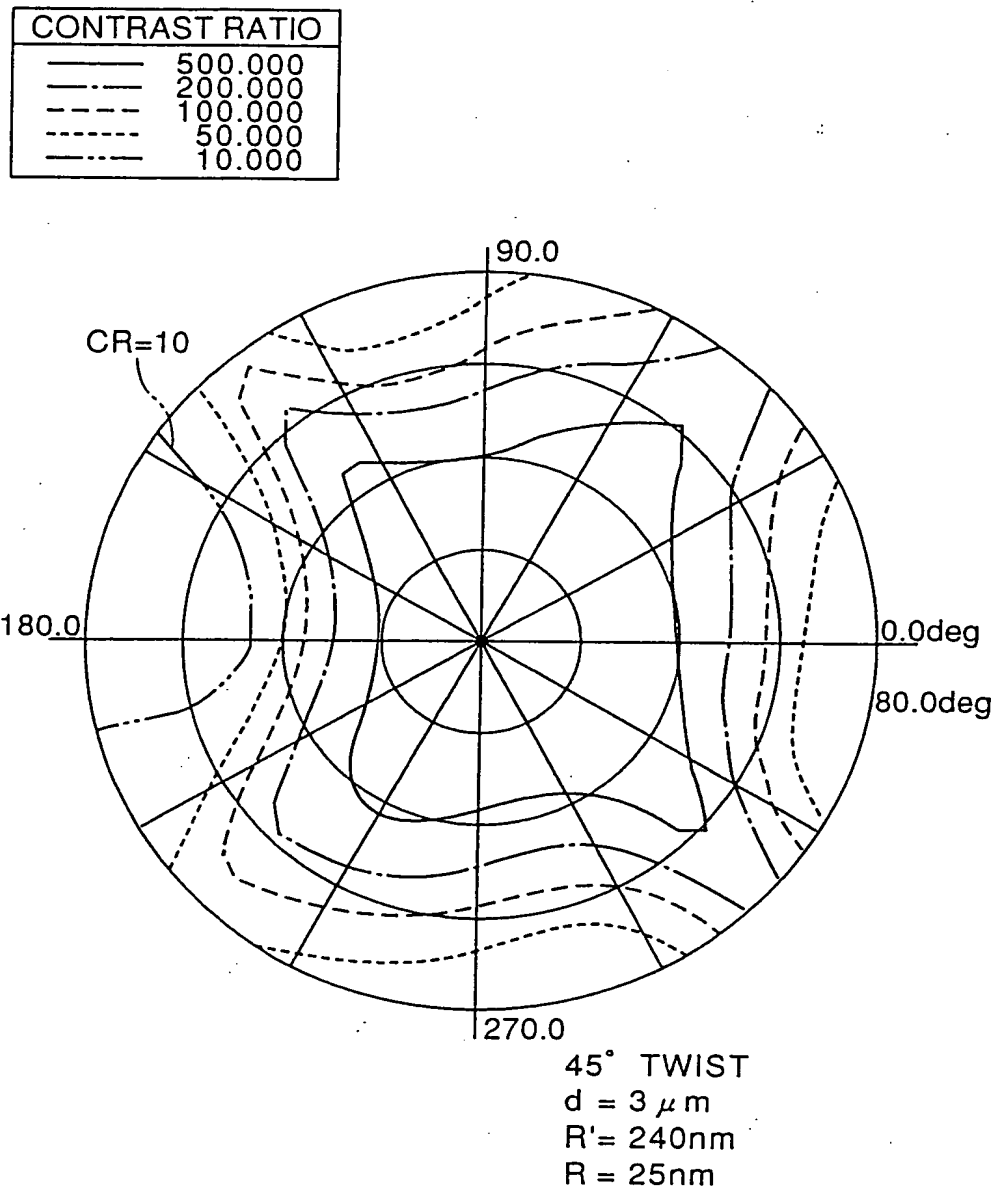


FIG.58

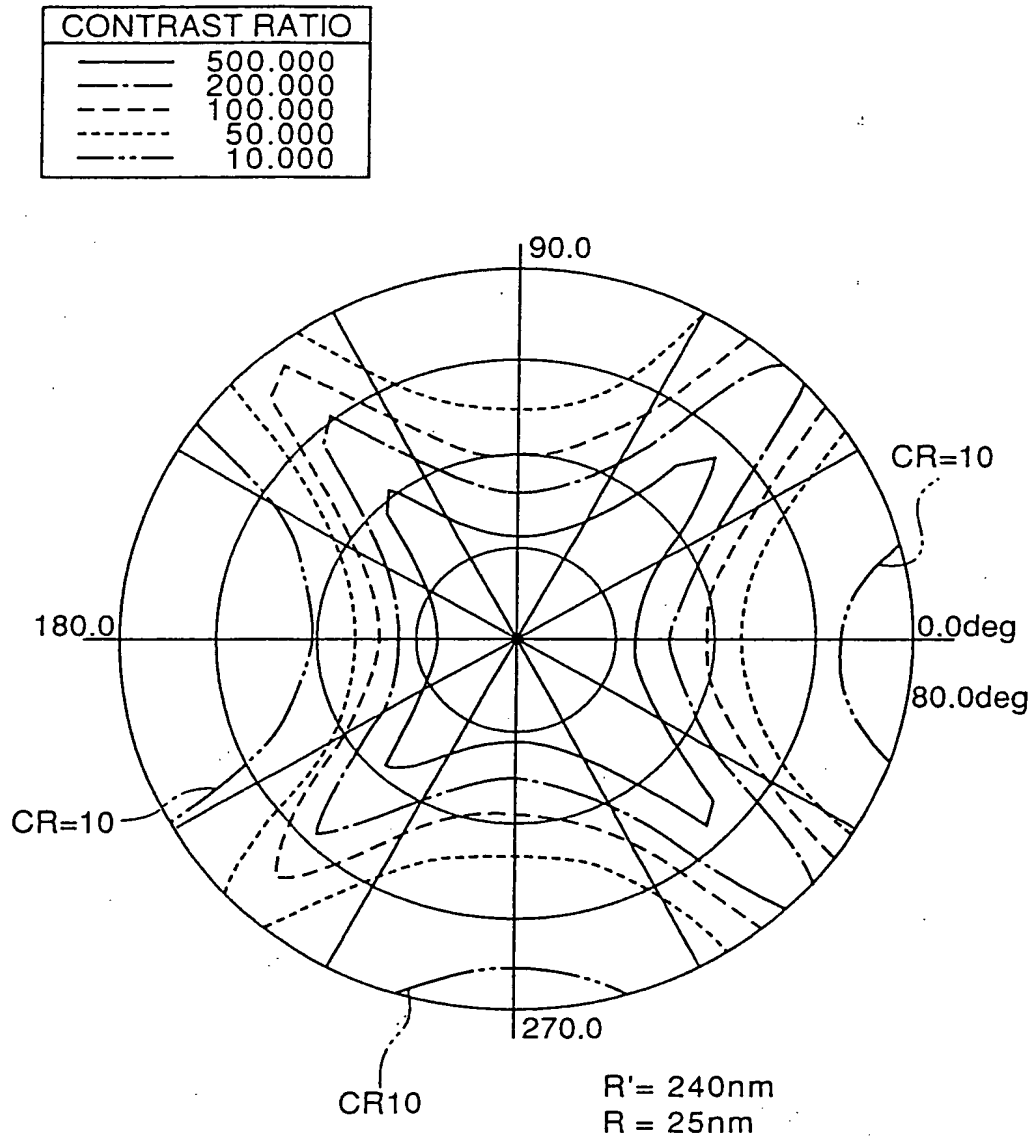


FIG.59

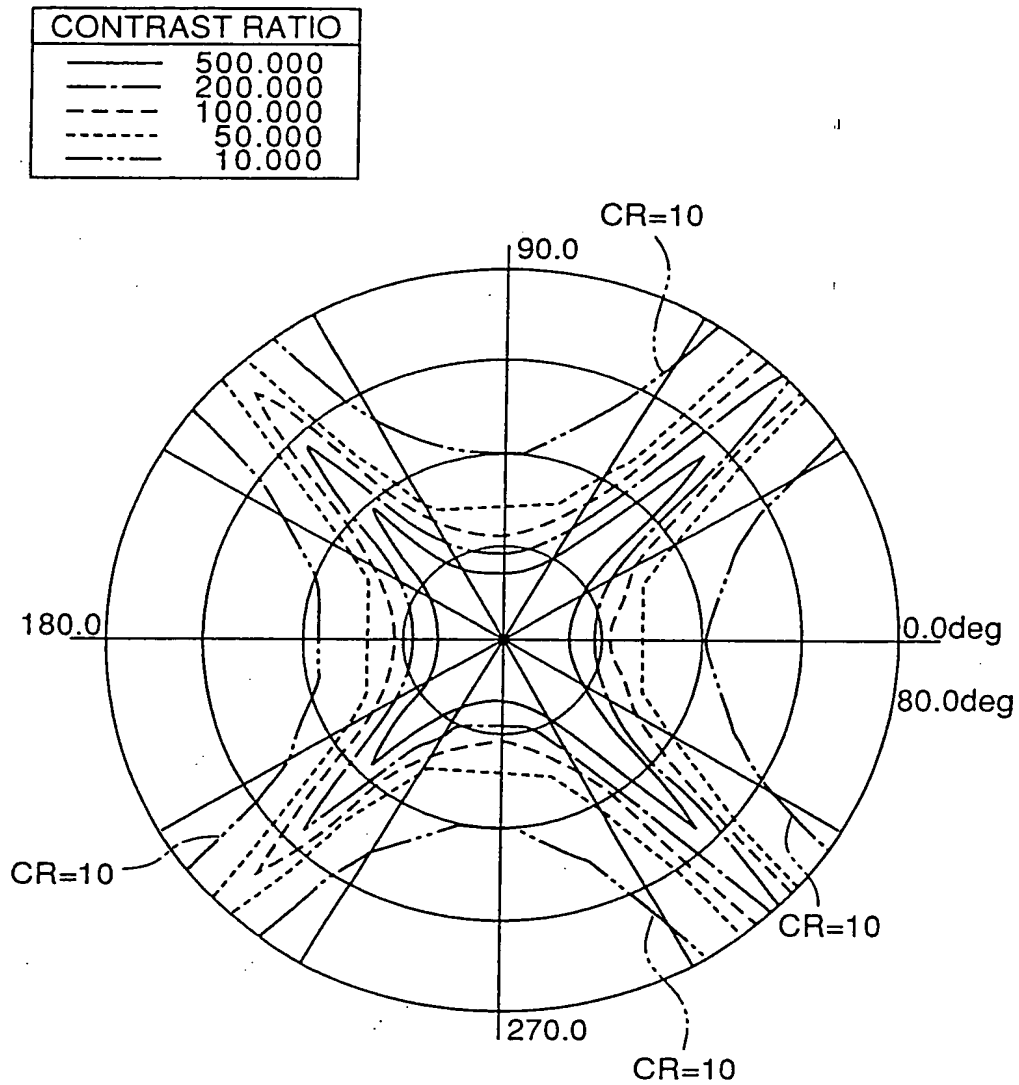


FIG.60

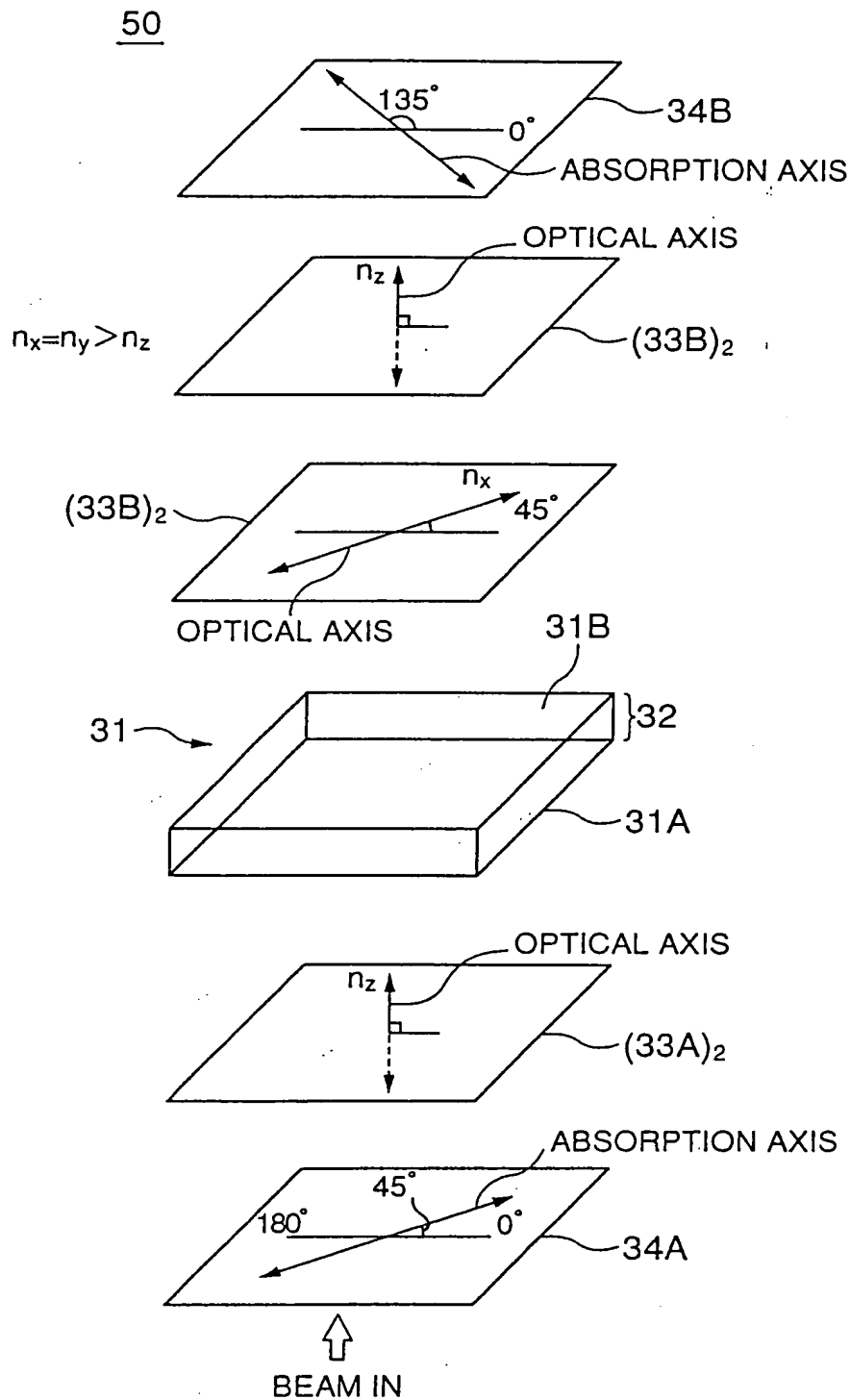


FIG. 61

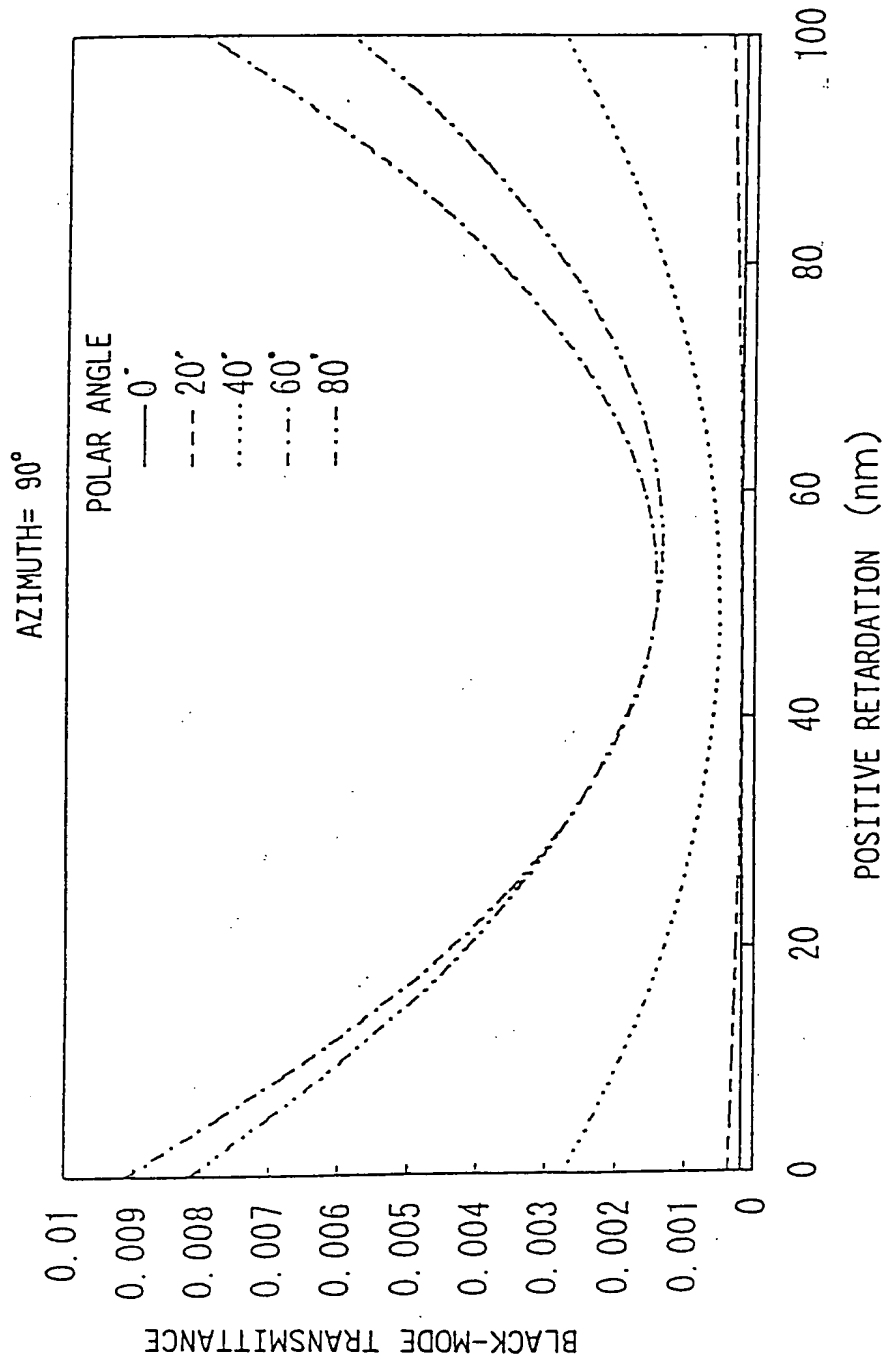


FIG. 62

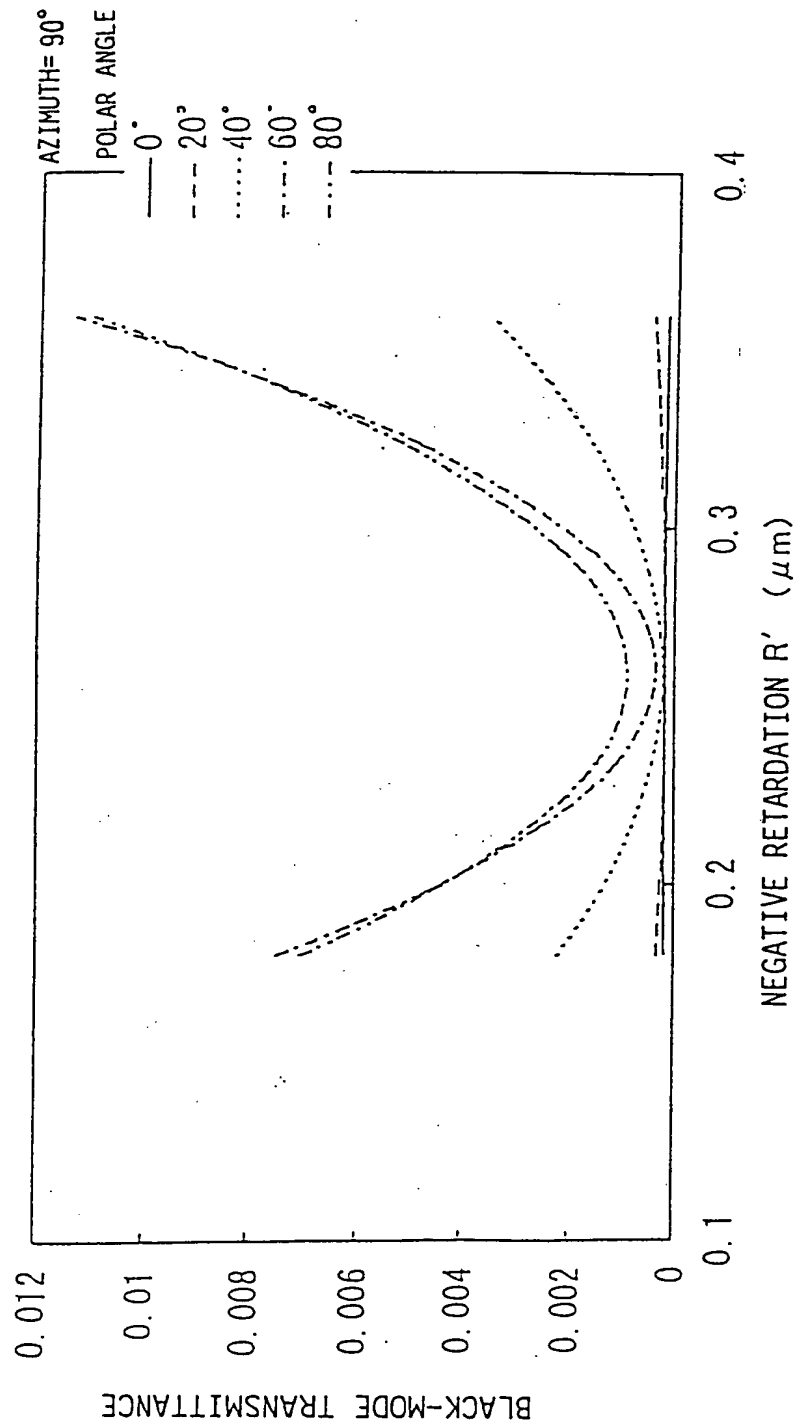


FIG. 63

Contrast ratio	
————	500.000
————	200.000
-----	100.000
-----	50.000
-----	10.000

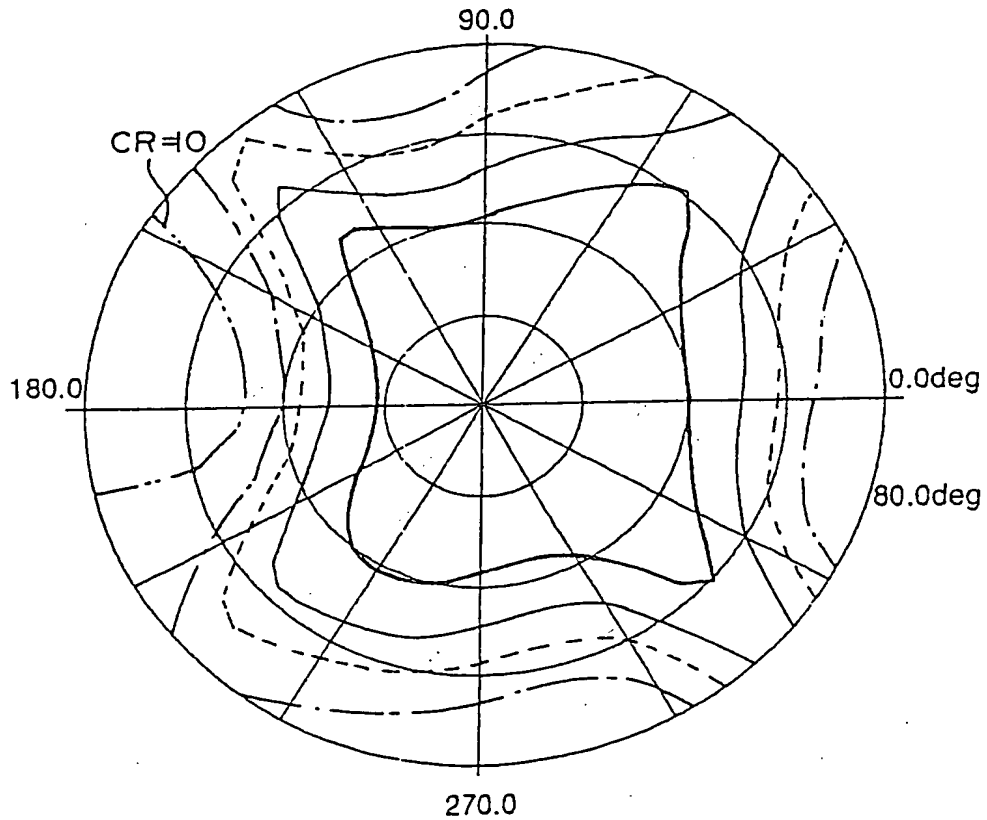


FIG. 64

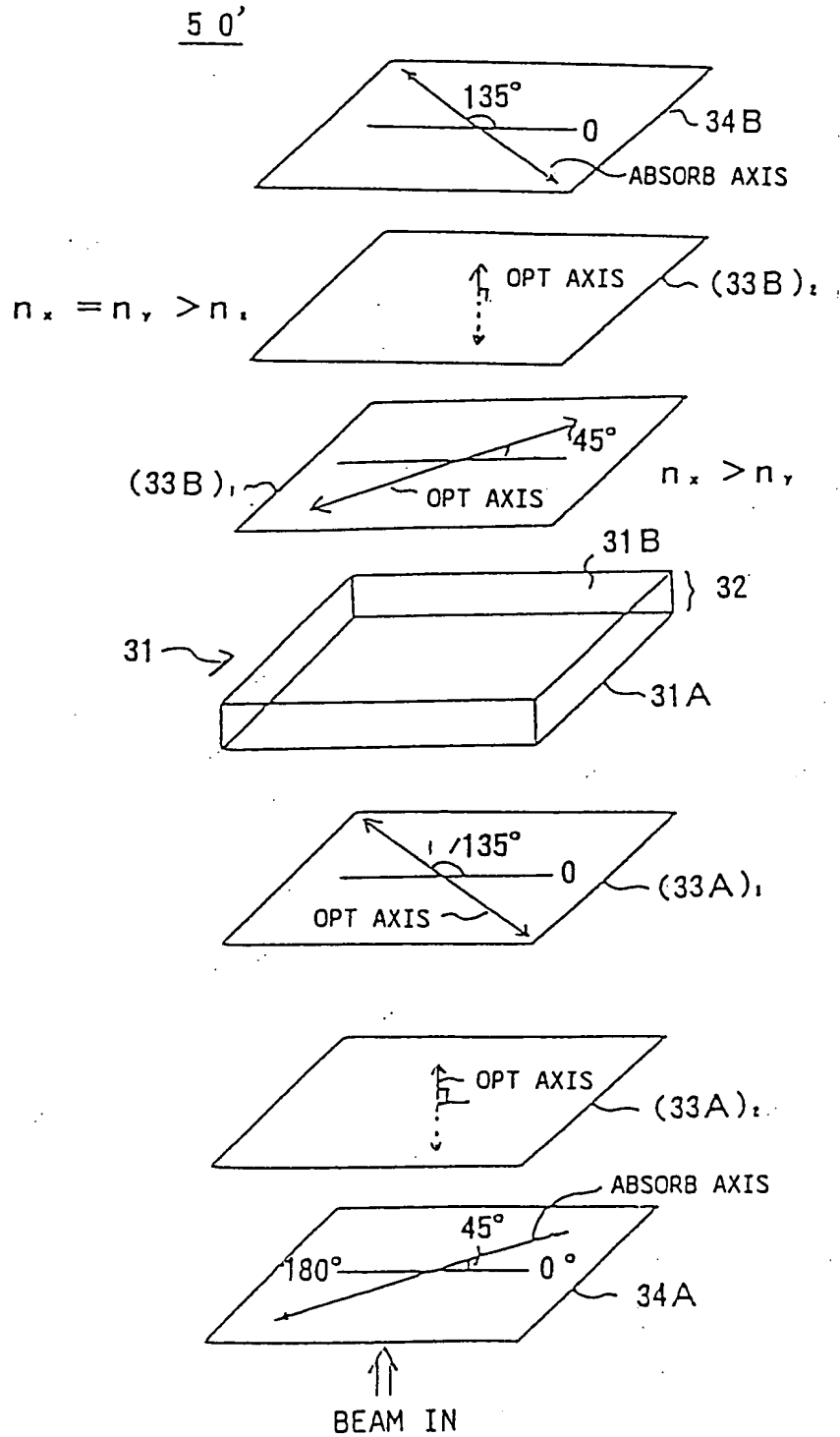


FIG. 65

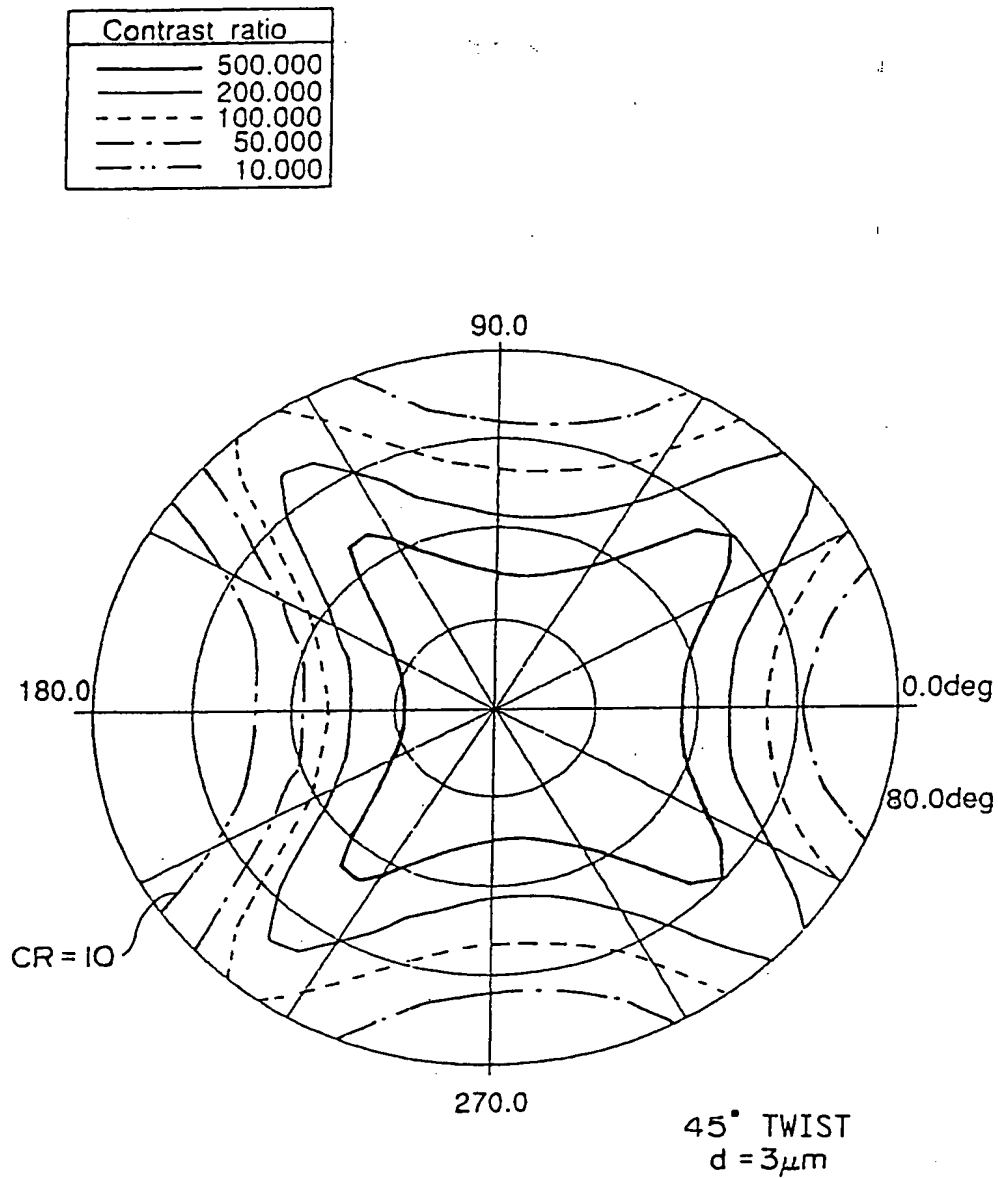


FIG. 66

60

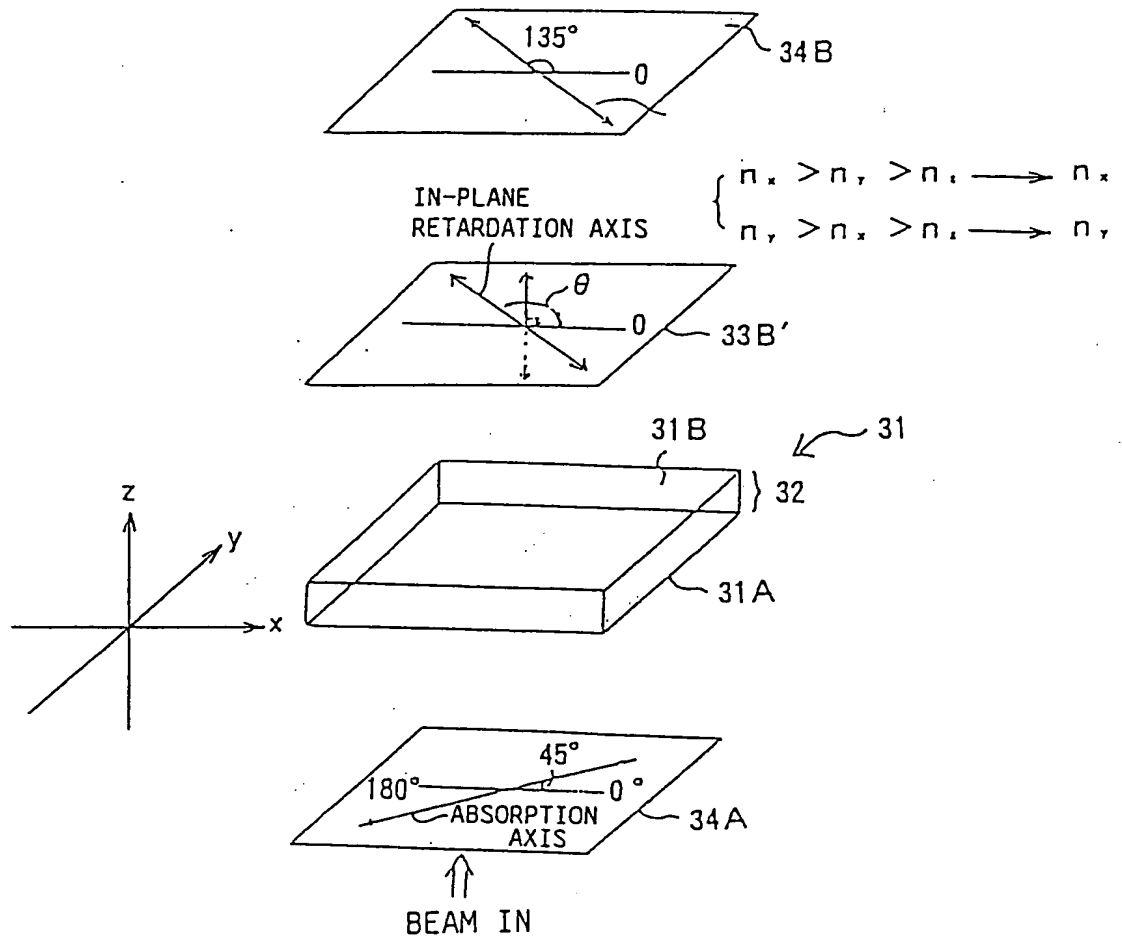


FIG.67

	VOLT	POLAR	AZIMUTH
————	0.000	0.0	90.0
— · — · —	0.000	20.0	90.0
- - - - -	0.000	40.0	90.0
- · - · -	0.000	60.0	90.0
- · - · -	0.000	80.0	90.0

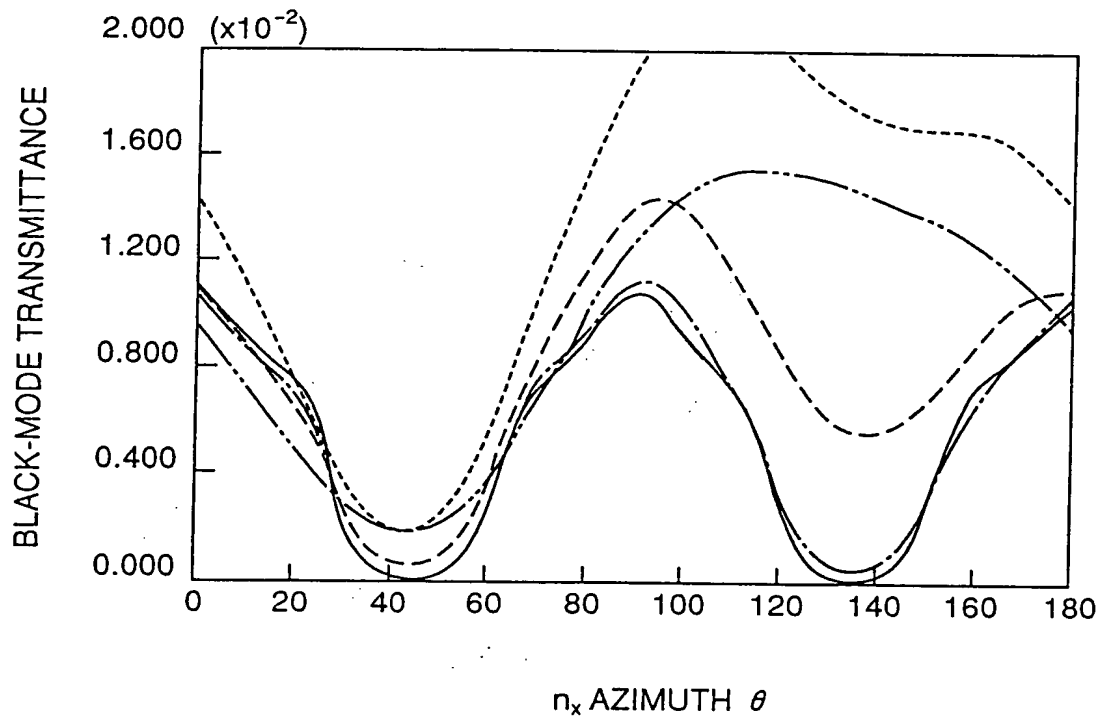


FIG.68

	VOLT	POLAR	AZIMUTH
————	0.000	0.0	0.0
— · — · —	0.000	20.0	0.0
- - - - -	0.000	40.0	0.0
· · · · ·	0.000	60.0	0.0
- · - · -	0.000	80.0	0.0

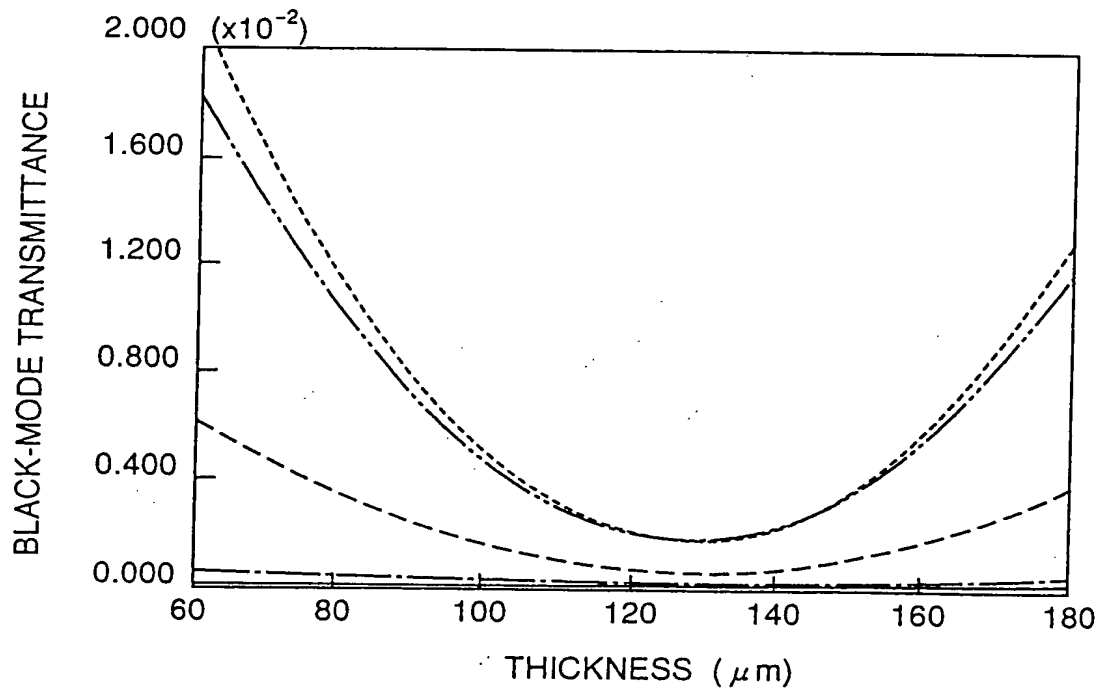


FIG.69

CONTRAST RATIO	
————	500.000
-----	200.000
-----	100.000
-----	50.000
-----	10.000

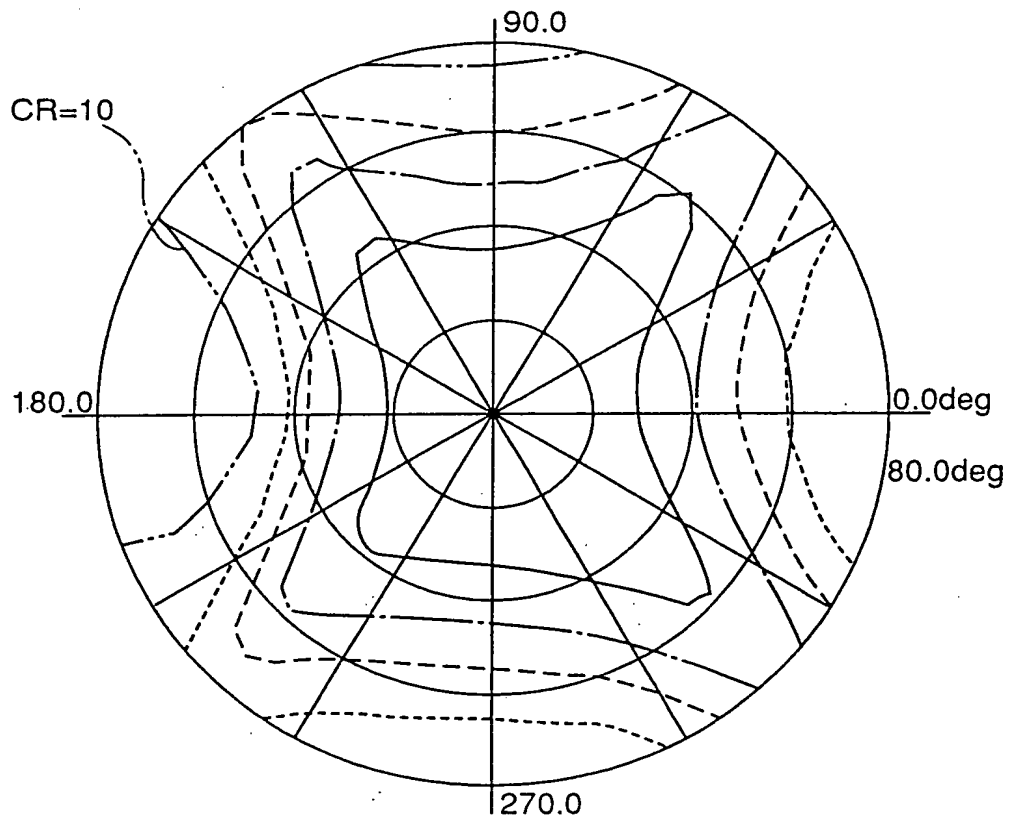


FIG.70

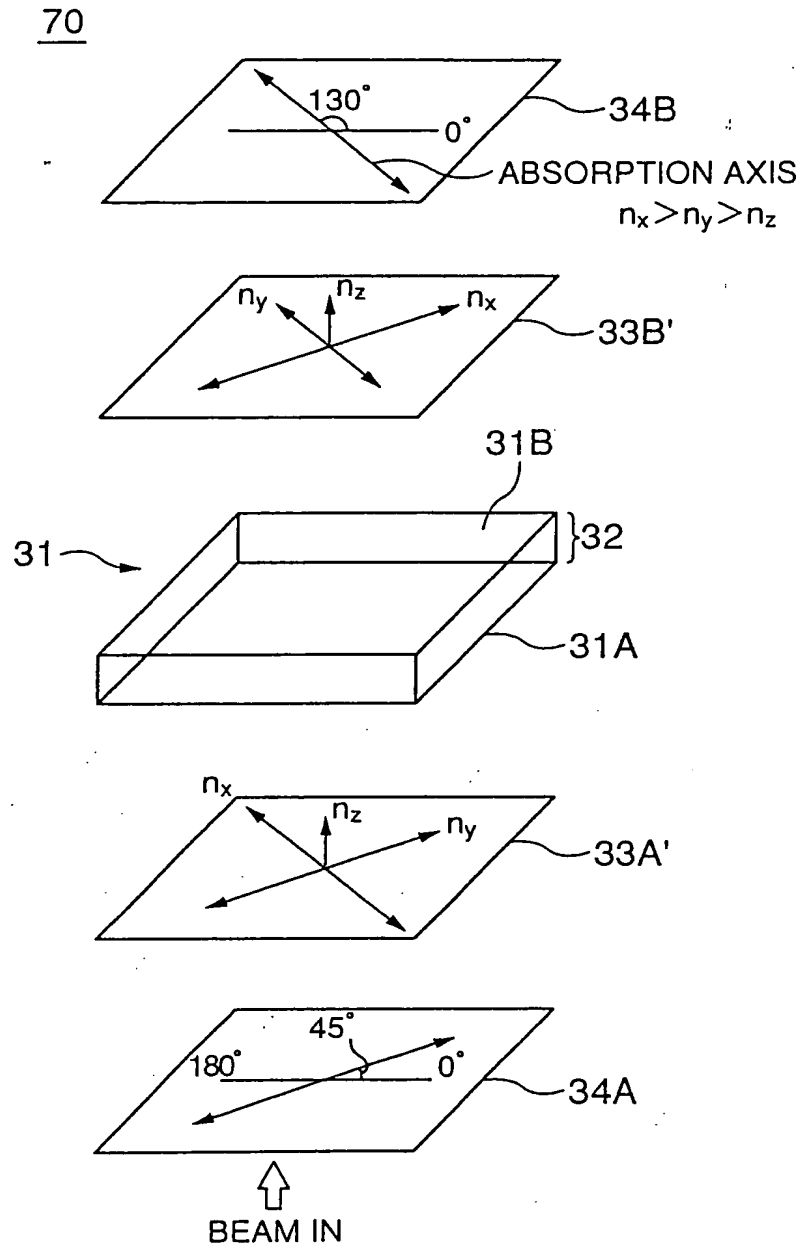


FIG.71

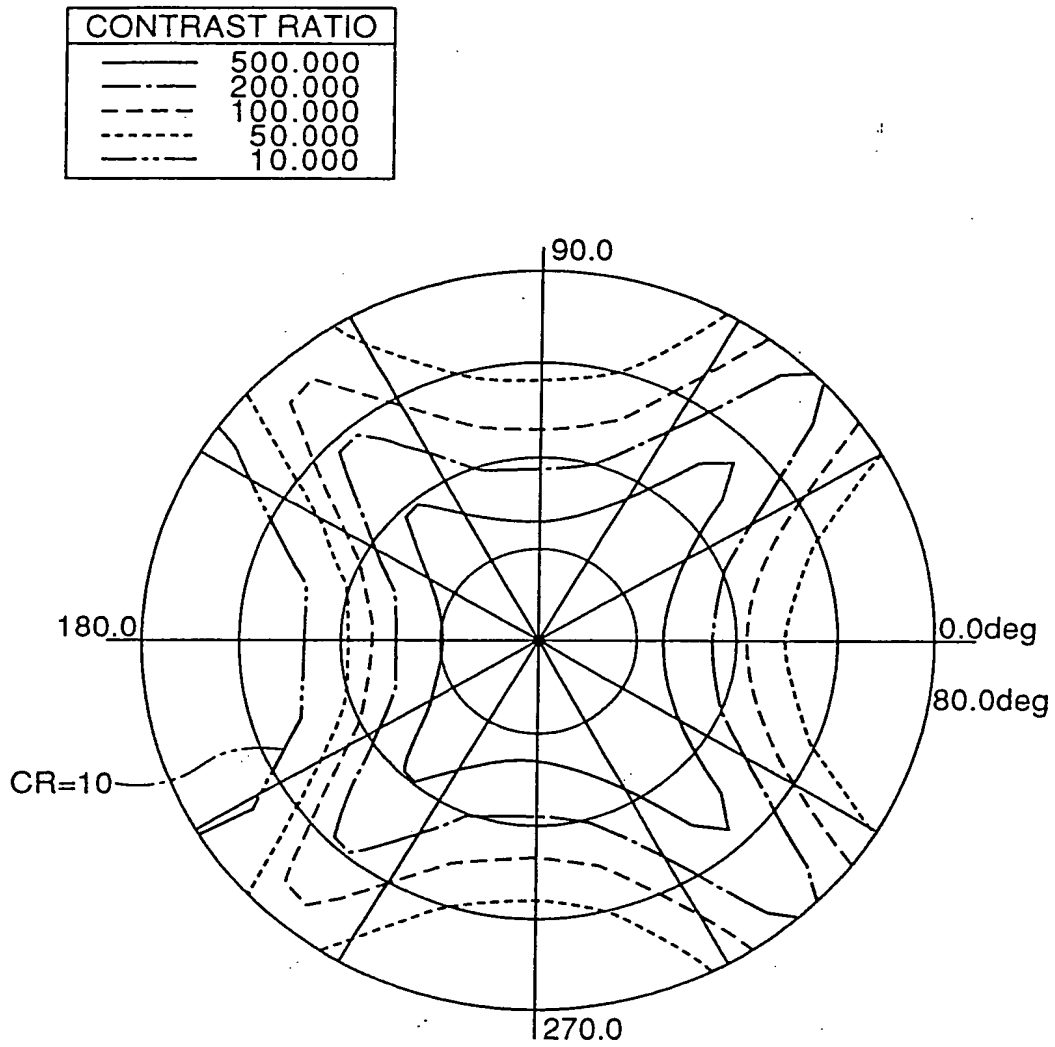


FIG.72

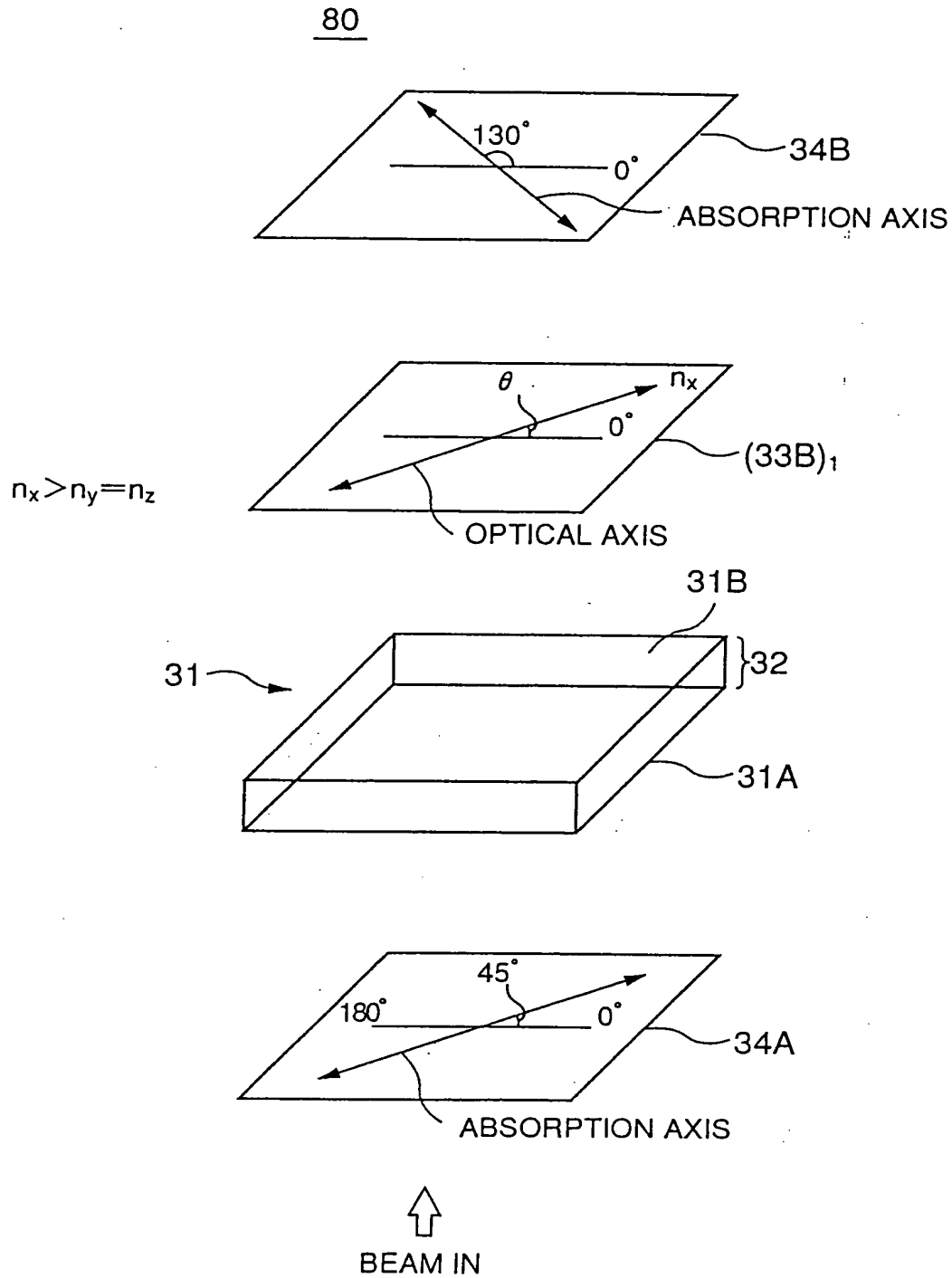


FIG.73

	VOLT	POLAR	AZIMUTH
————	0.000	0.0	0.0
— · — · —	0.000	20.0	0.0
- - - - -	0.000	40.0	0.0
- · - · -	0.000	60.0	0.0
- · - · -	0.000	80.0	0.0

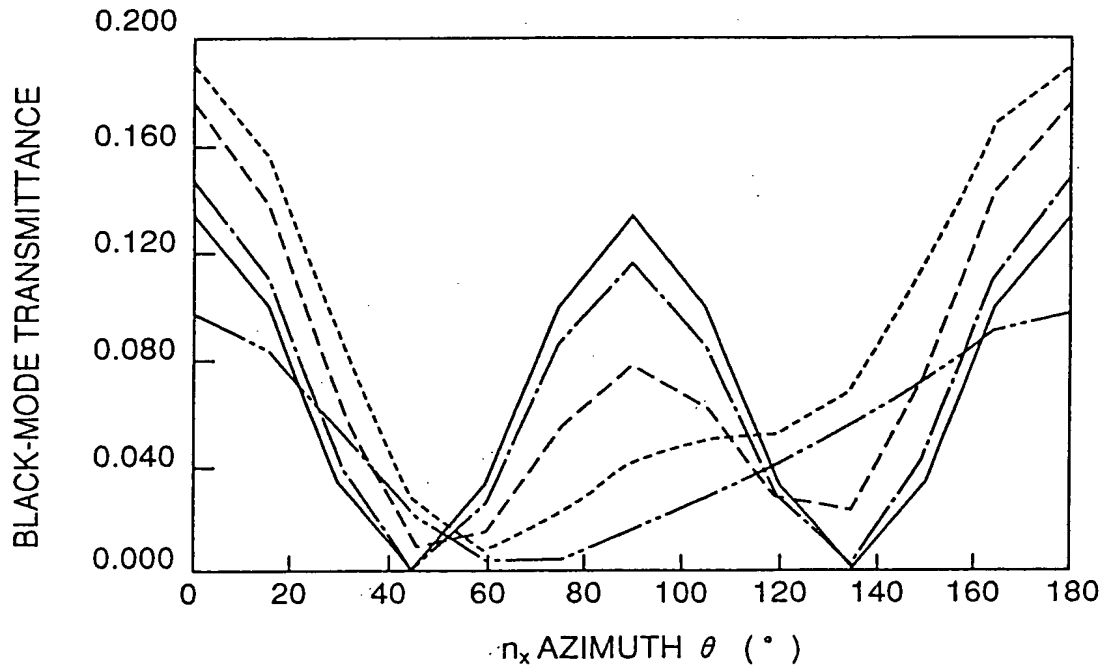


FIG.74

	VOLT	POLAR	AZIMUTH
————	0.000	0.0	0.0
— · — · —	0.000	20.0	0.0
- - - - -	0.000	40.0	0.0
· · · · ·	0.000	60.0	0.0
- · - · -	0.000	80.0	0.0

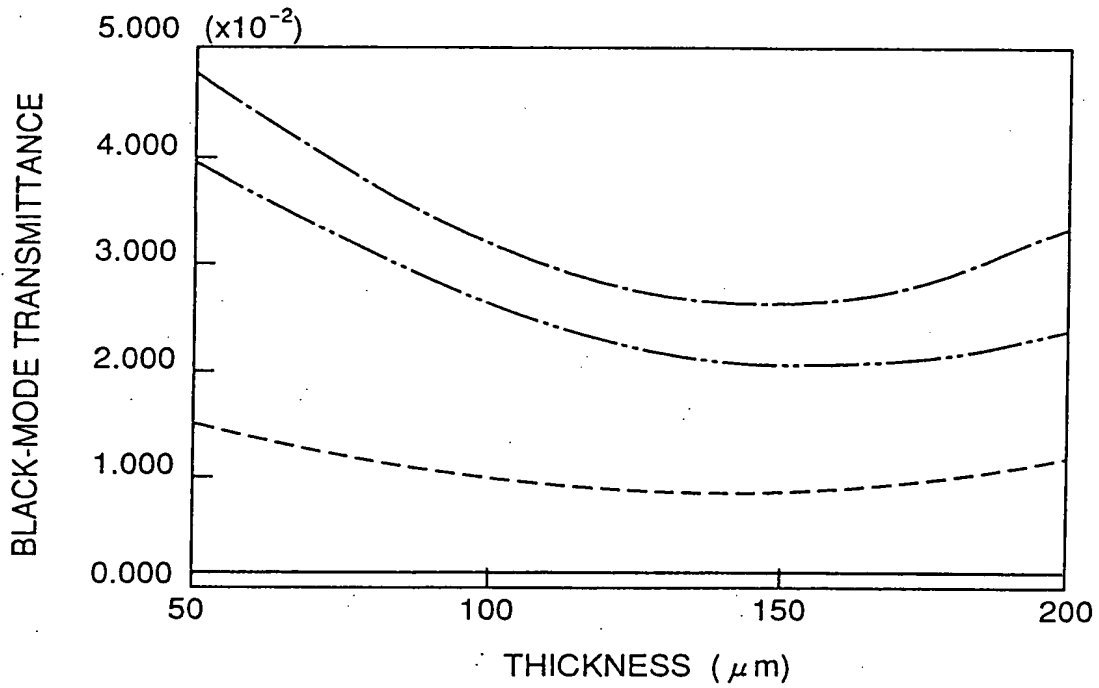


FIG.75

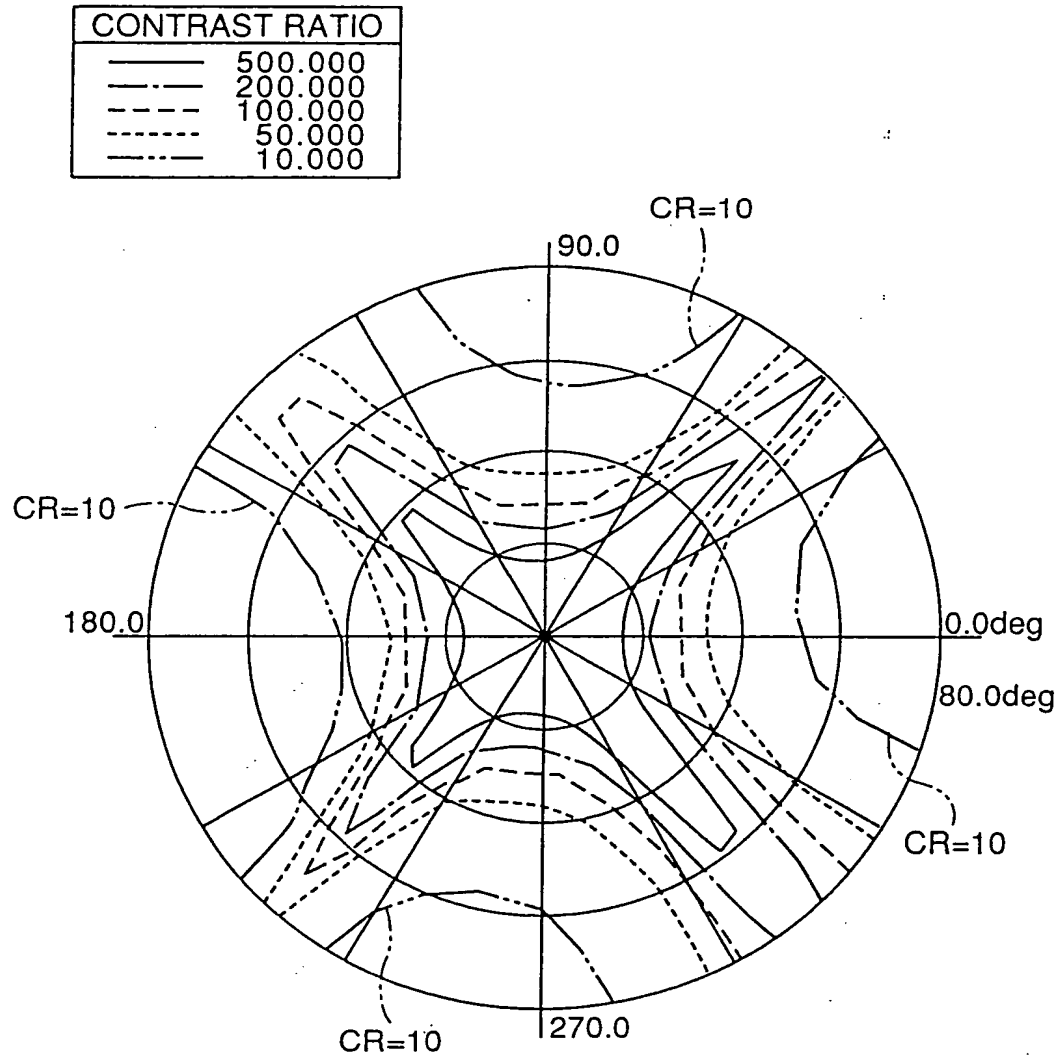


FIG.76

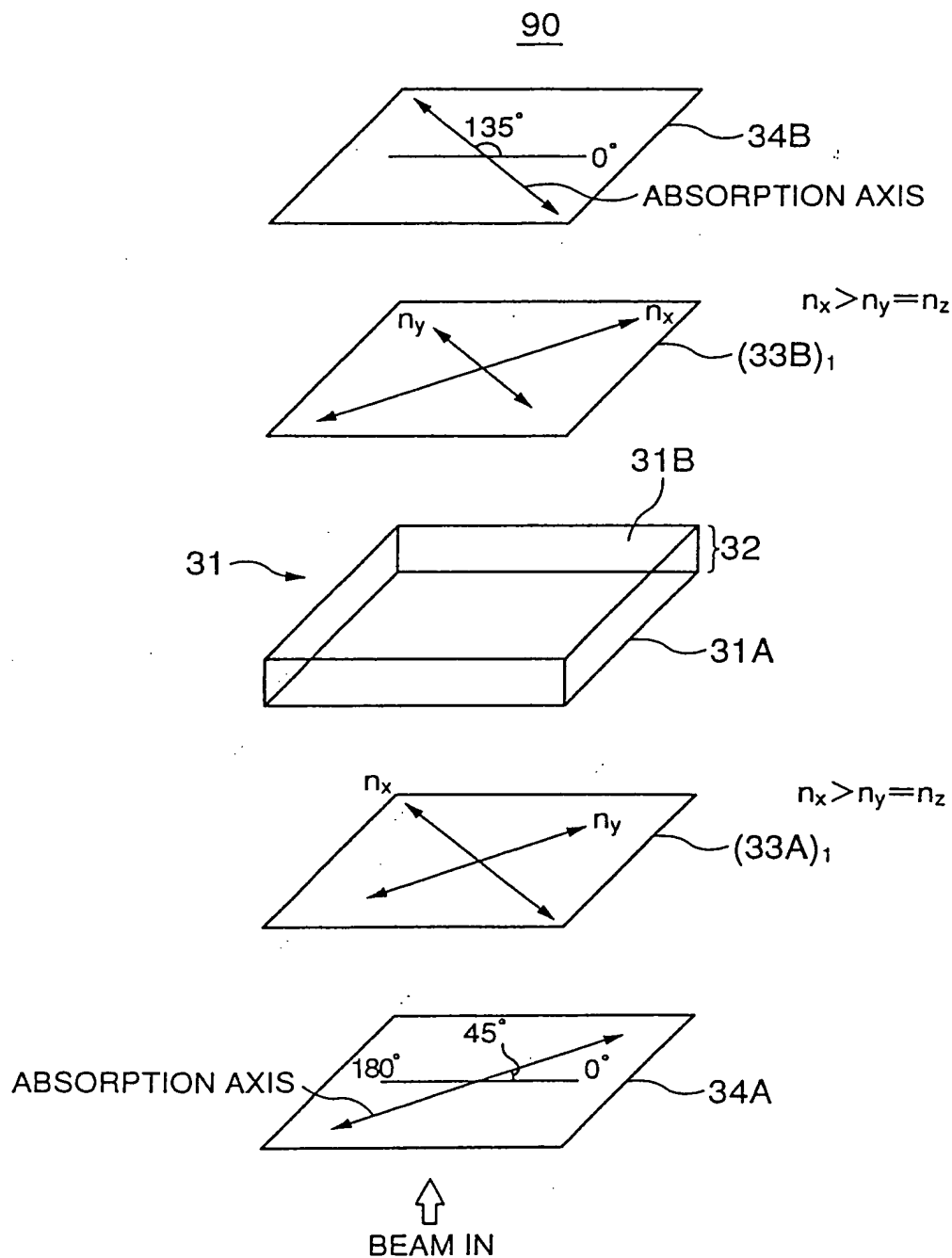


FIG.77

CONTRAST RATIO	
————	500.000
-----	200.000
-----	100.000
-----	50.000
-----	10.000

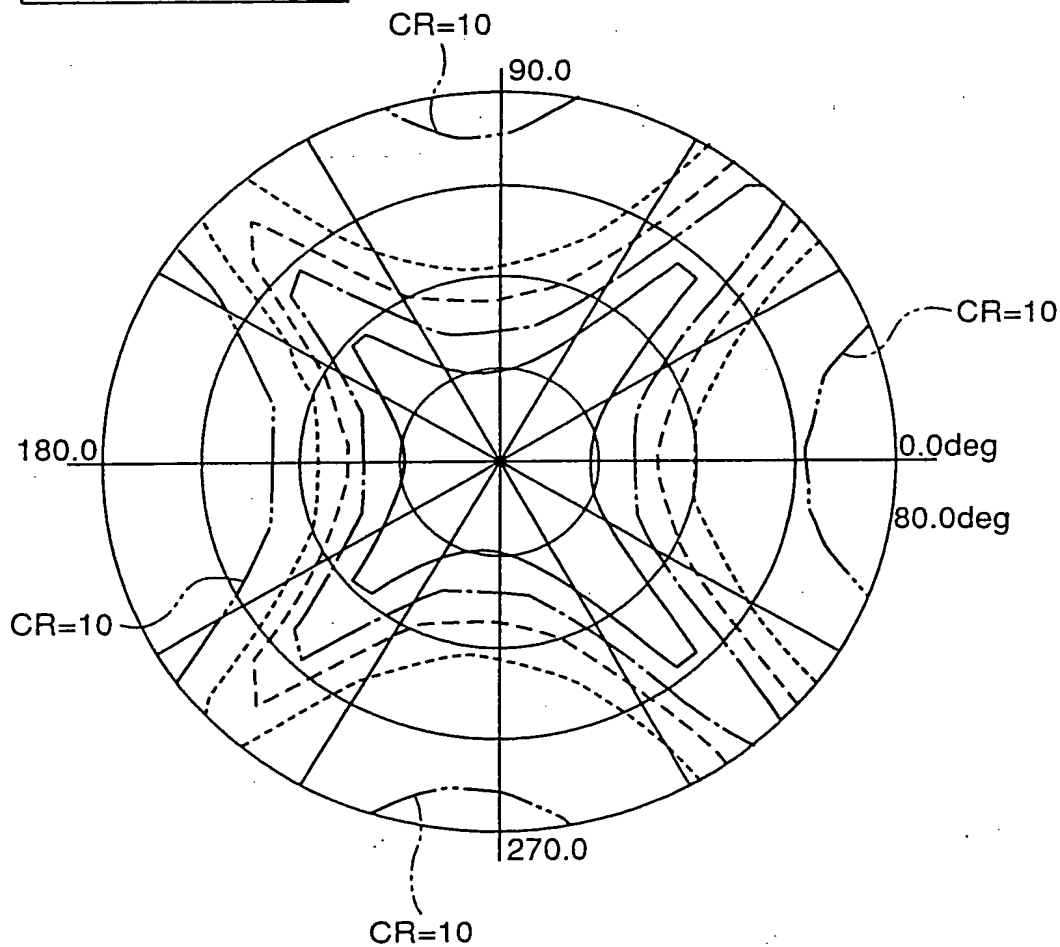


FIG.78

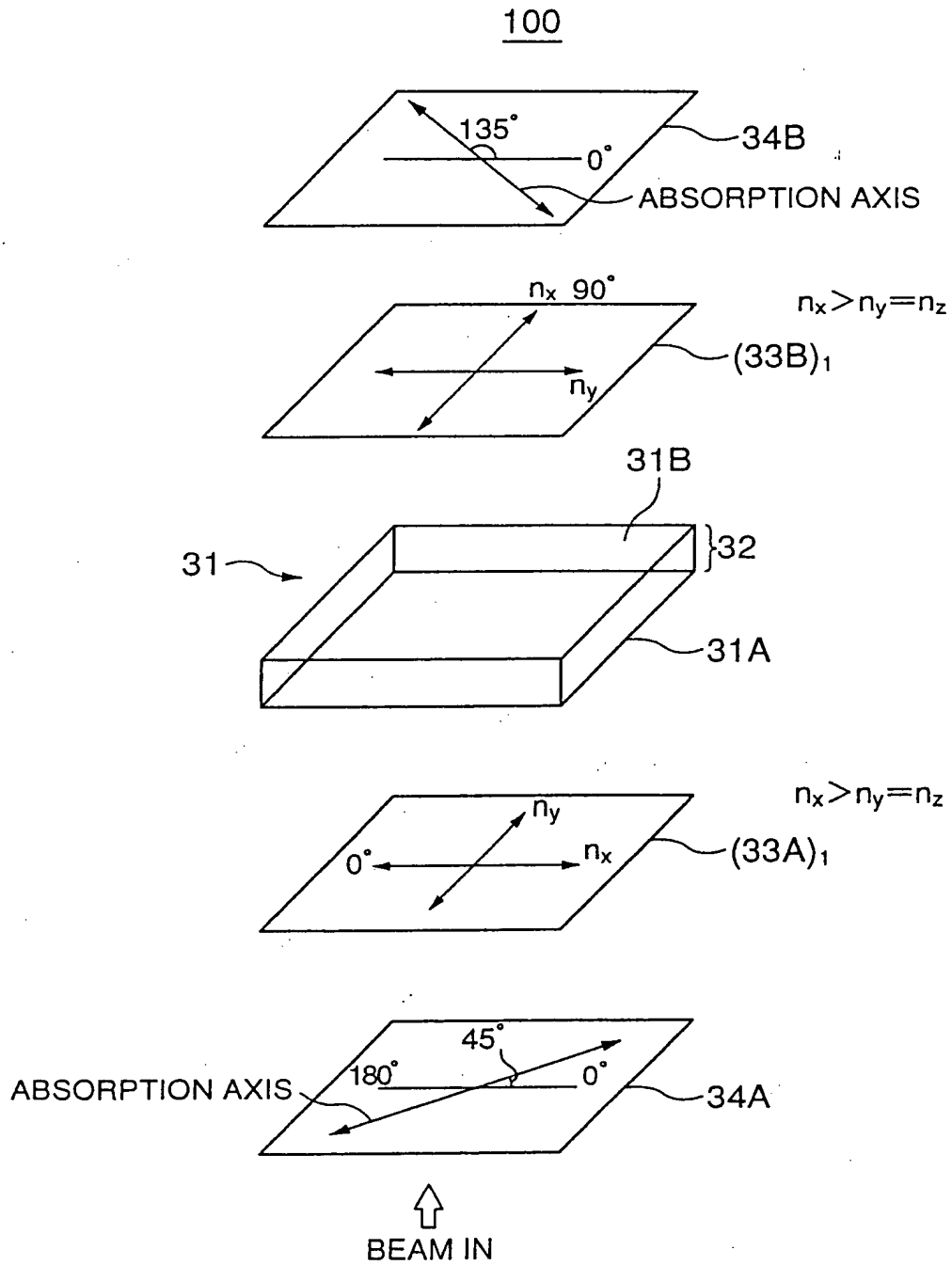


FIG.79

CONTRAST RATIO	
————	500.000
— · — · —	200.000
- - - - -	100.000
· · · · ·	50.000
- · - · -	10.000

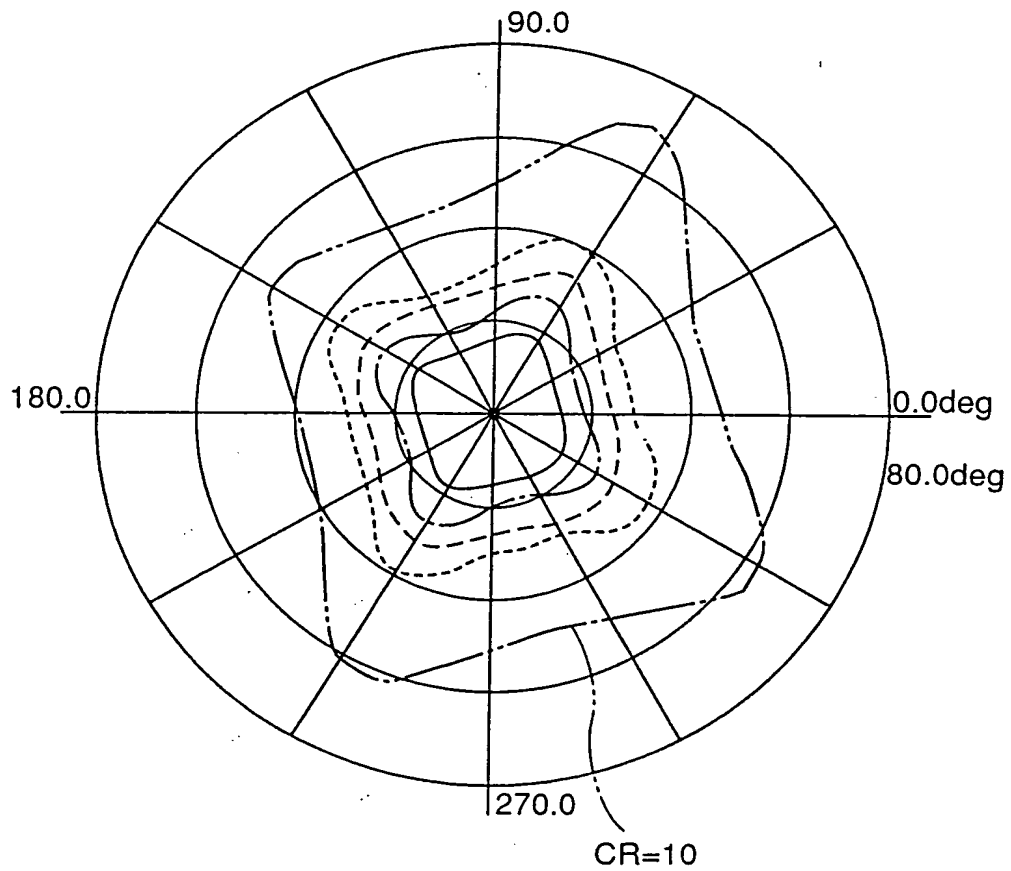


FIG. 80

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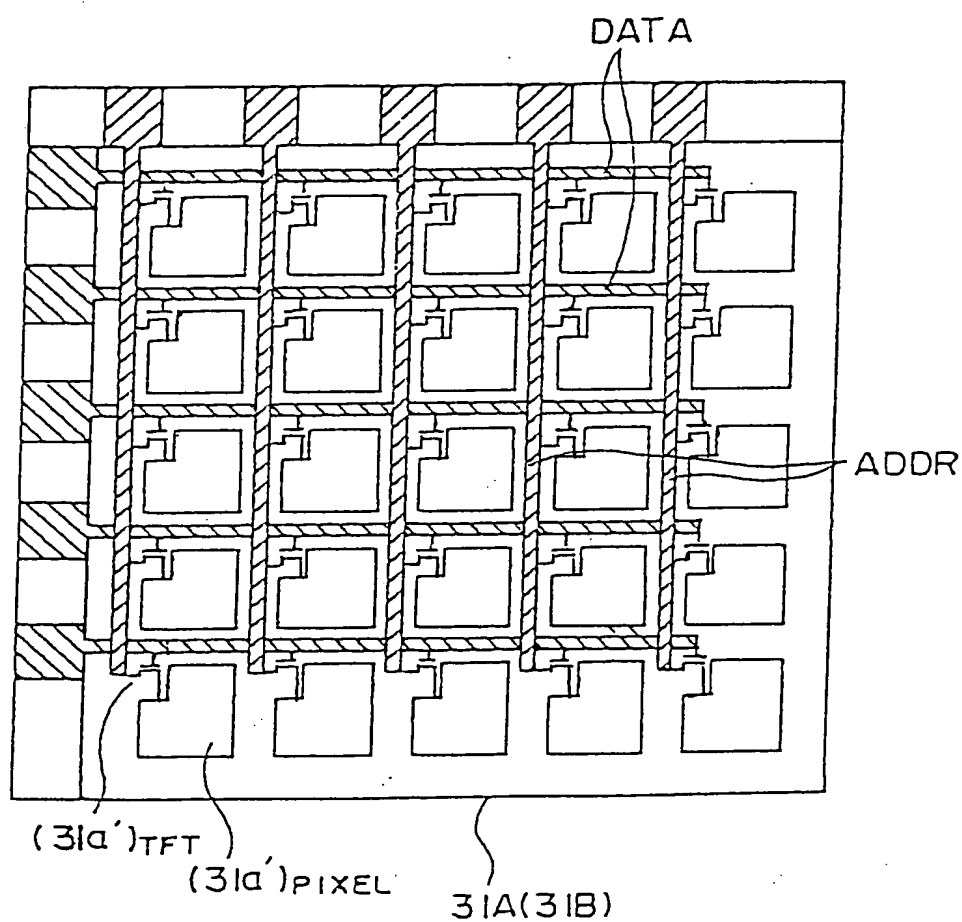


FIG. 81

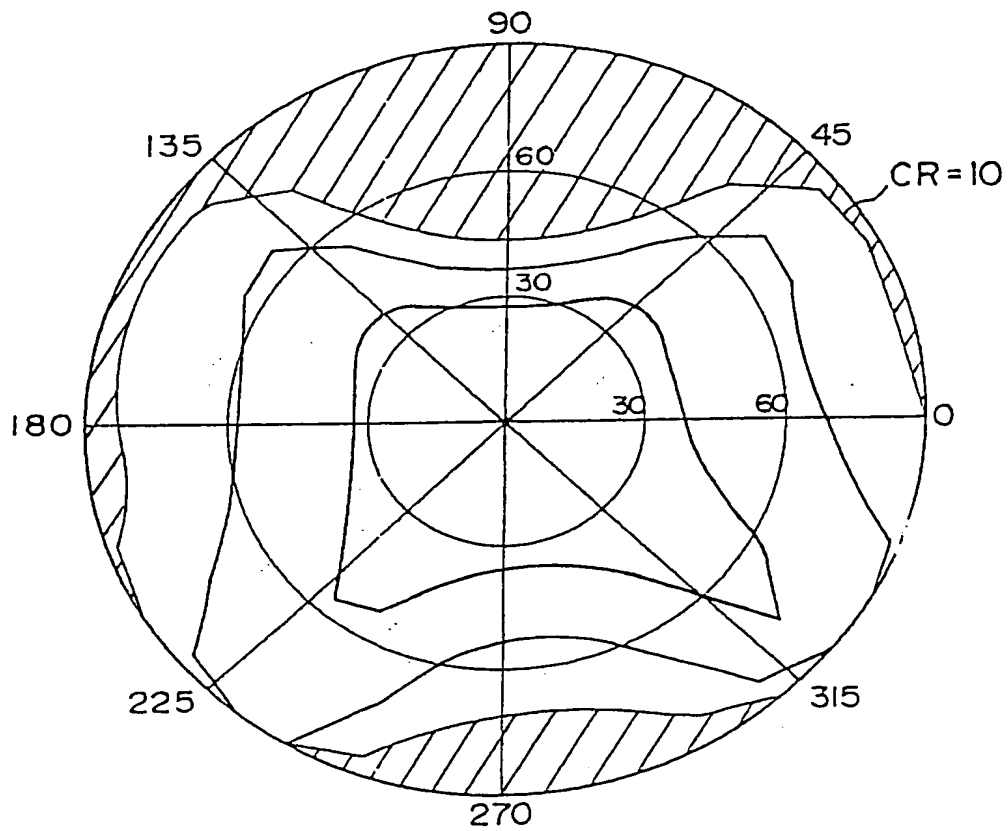
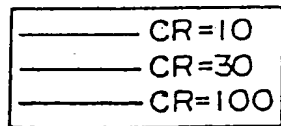


FIG. 82A

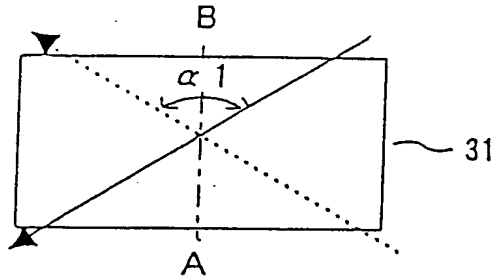


FIG. 82B

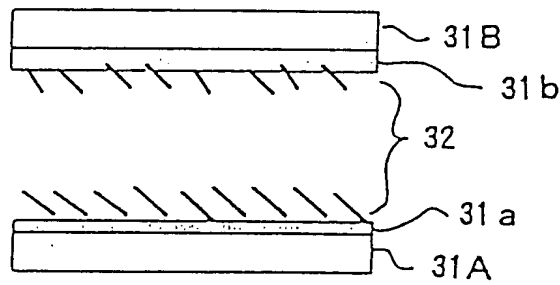
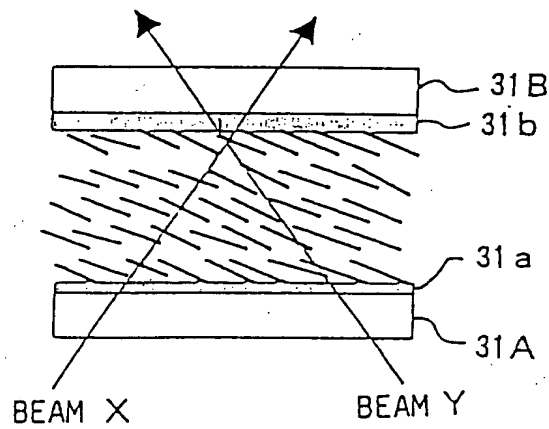


FIG. 82C



120

FIG. 83A

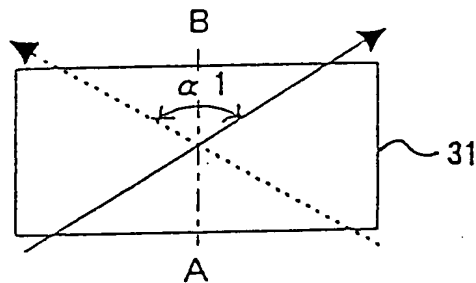


FIG. 83B

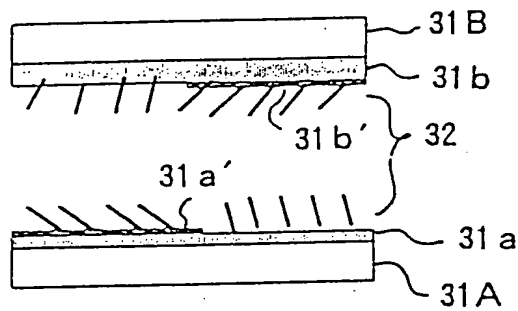


FIG. 83C

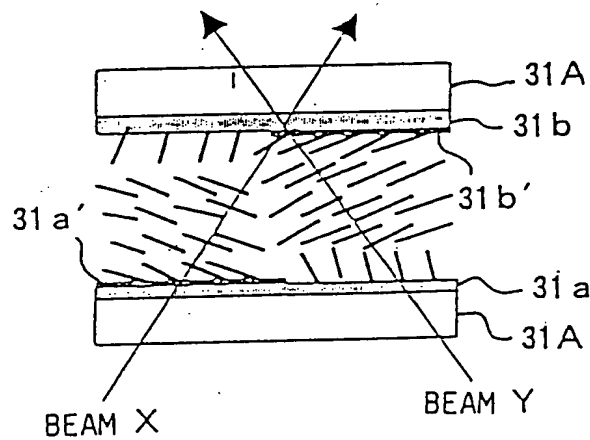


FIG. 84A

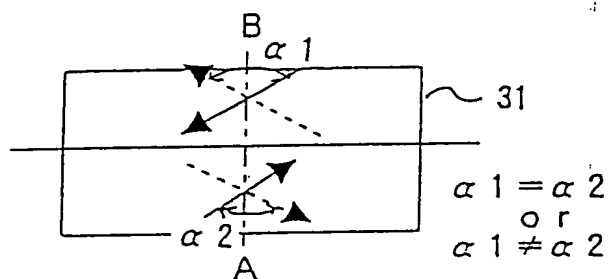


FIG. 84B

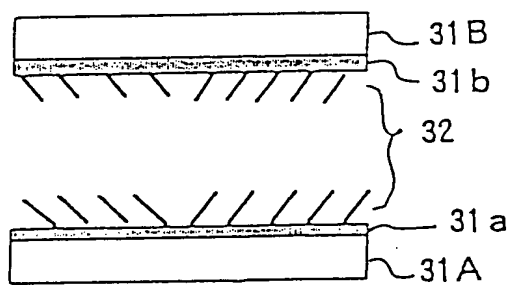


FIG. 84C

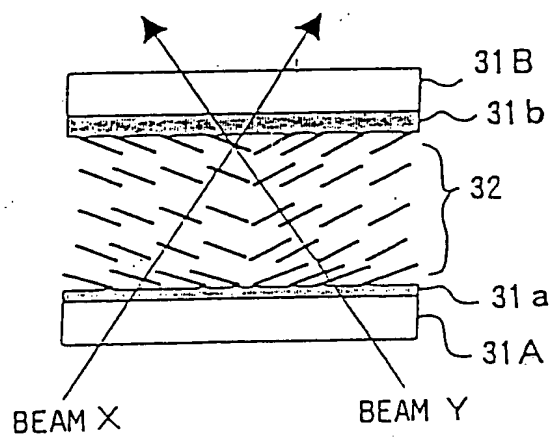


FIG. 85

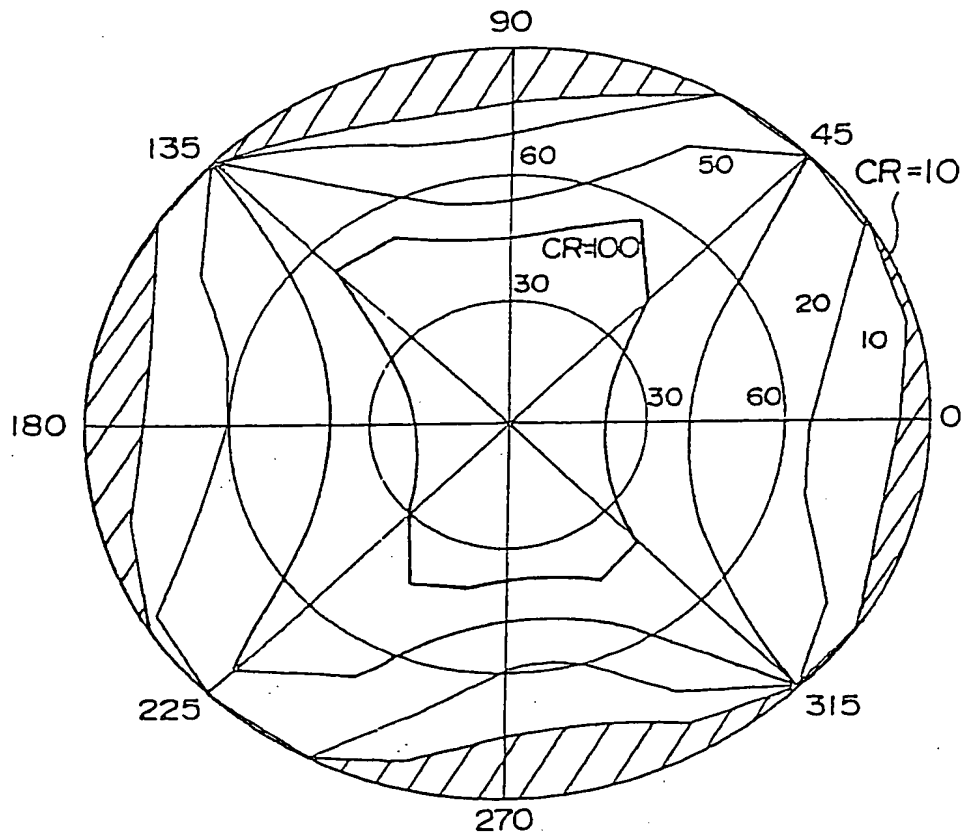


FIG. 86

Contrast ratio	
—————	500.000
—————	200.000
- - - - -	100.000
-	50.000
- - - - -	10.000

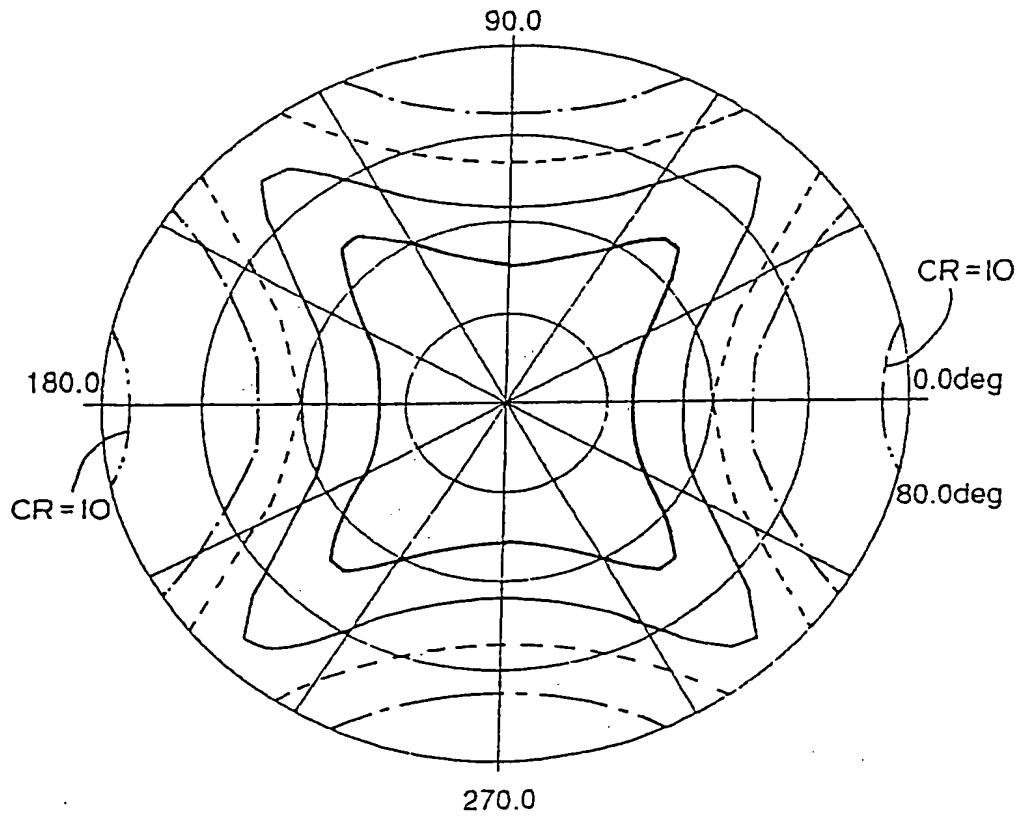


FIG. 87

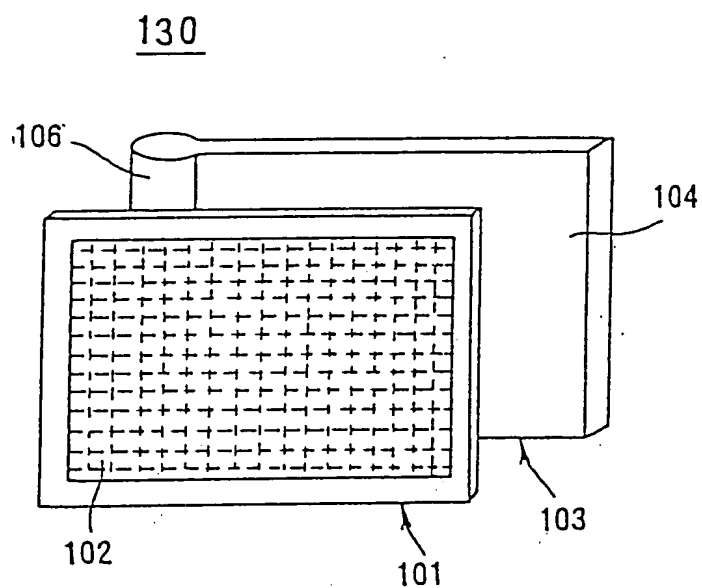


FIG.88

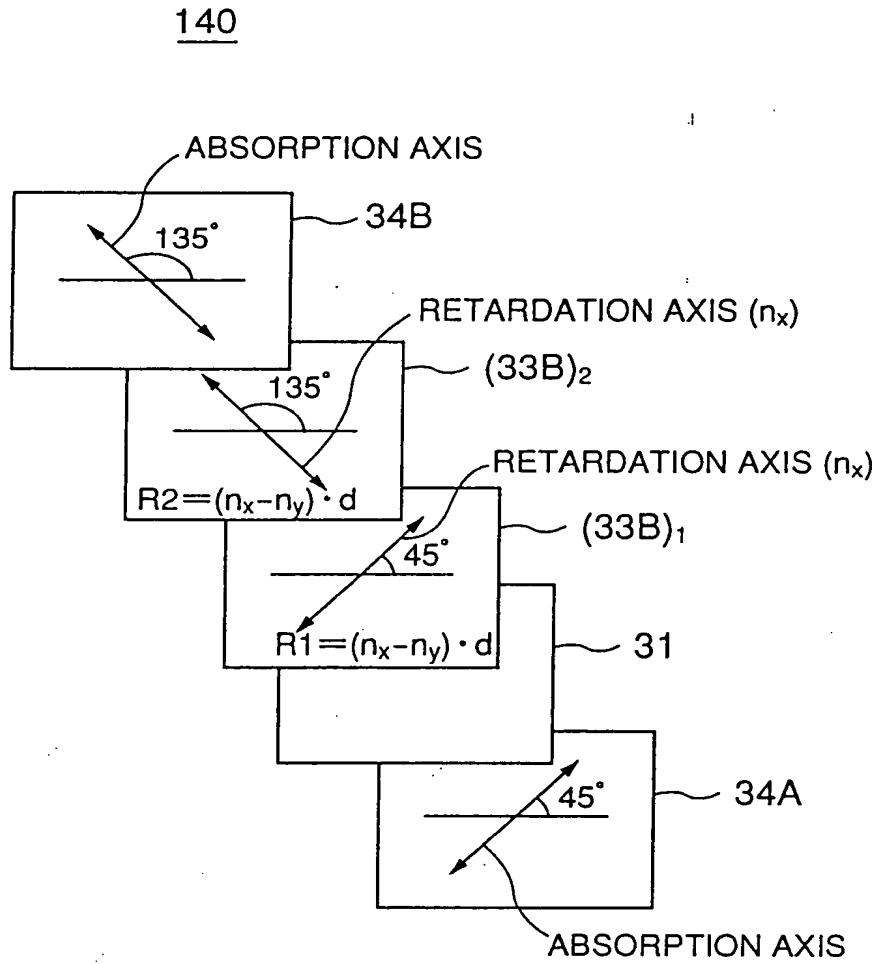


FIG.89

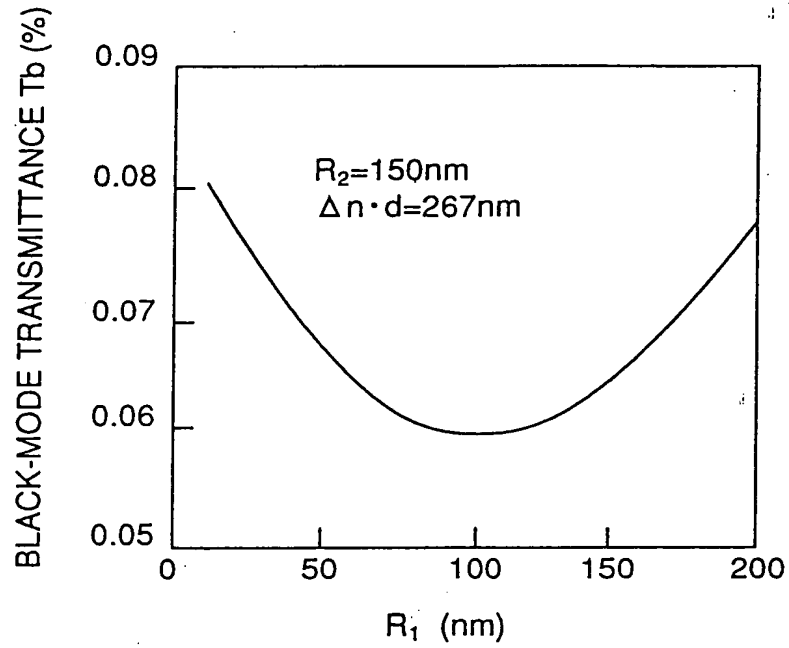


FIG.90

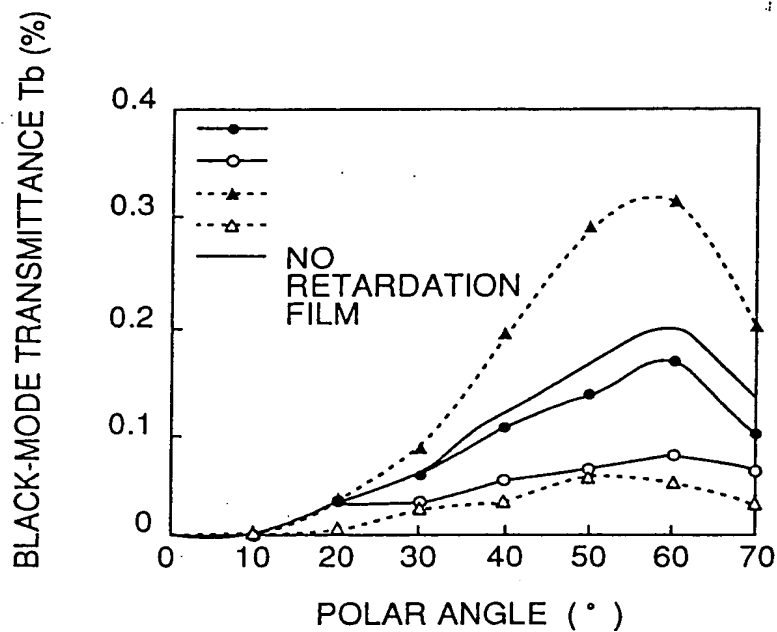


FIG.91A

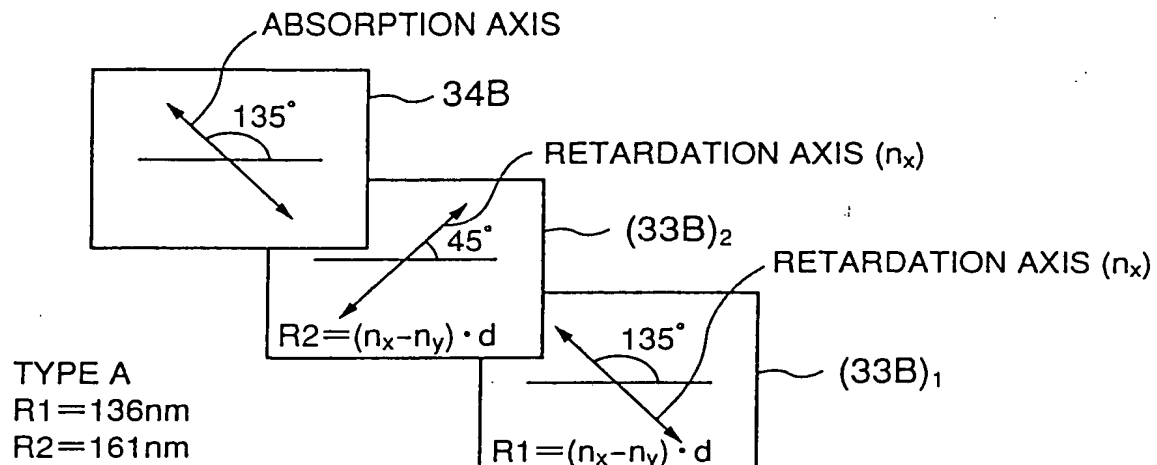


FIG.91B

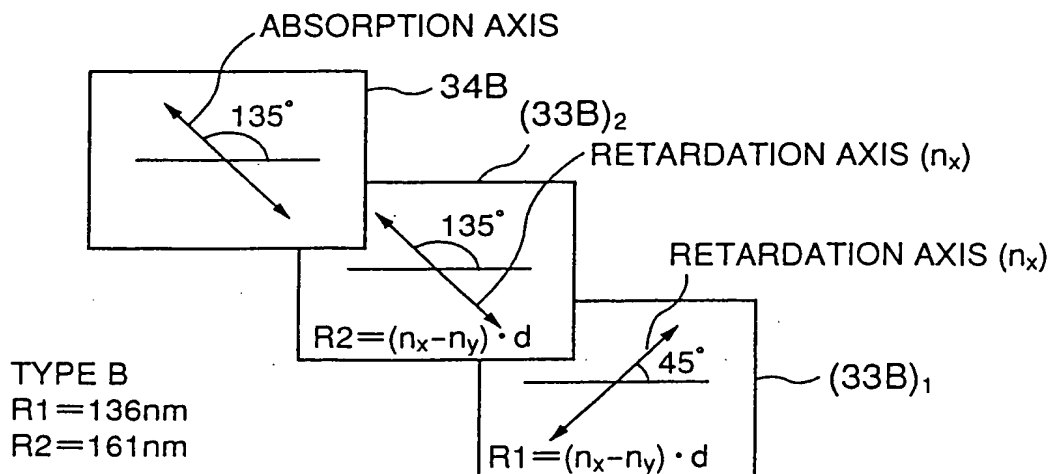


FIG.91C

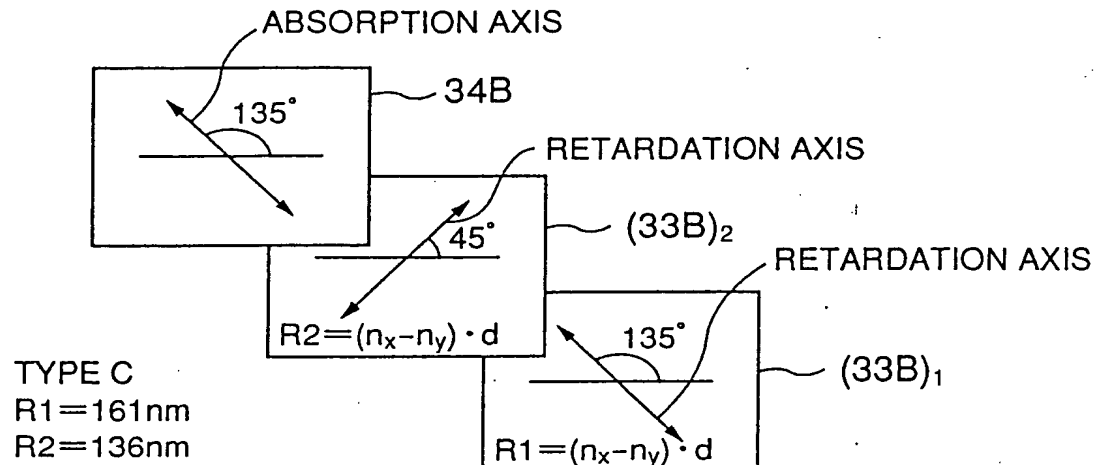


FIG.91D

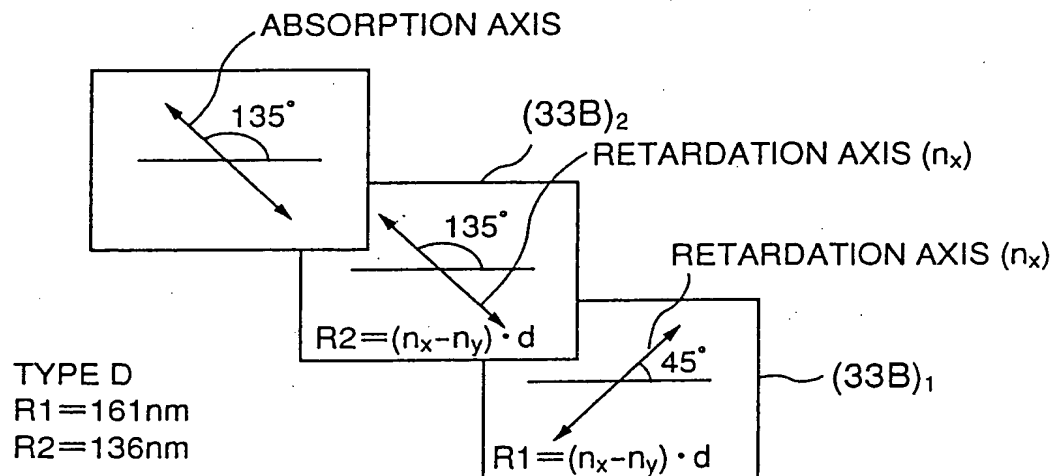


FIG.92A

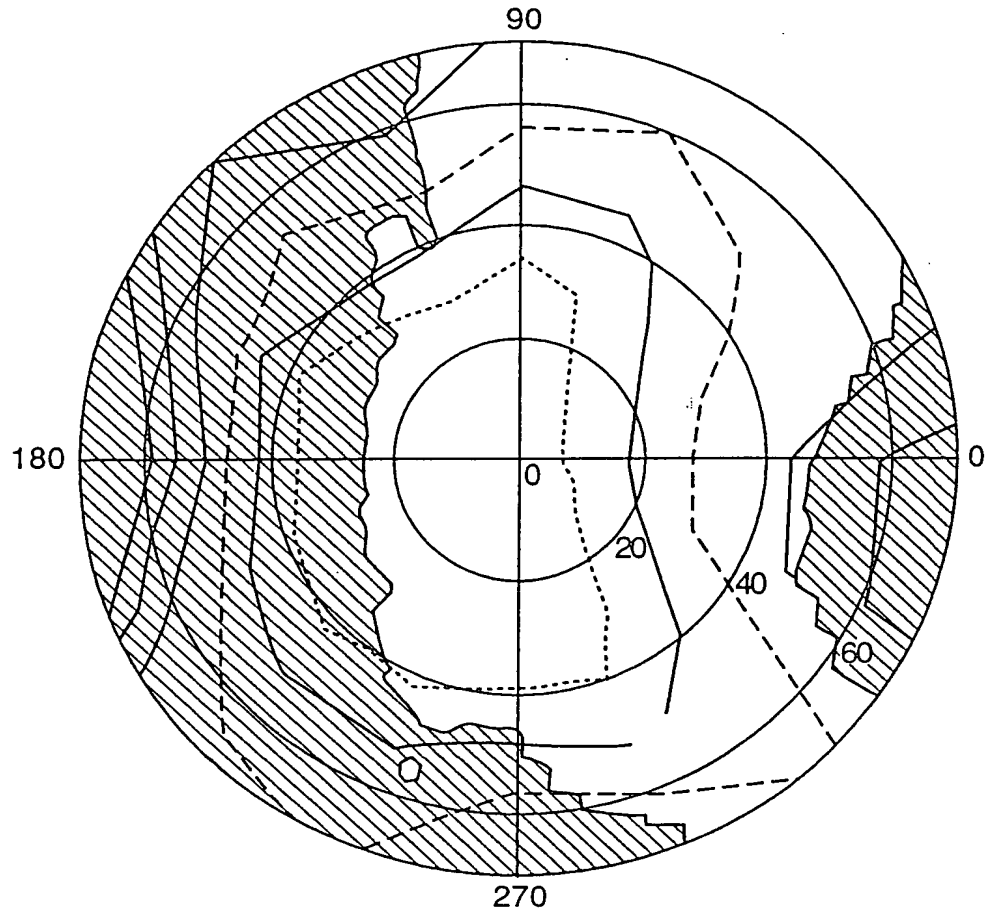


FIG.92B

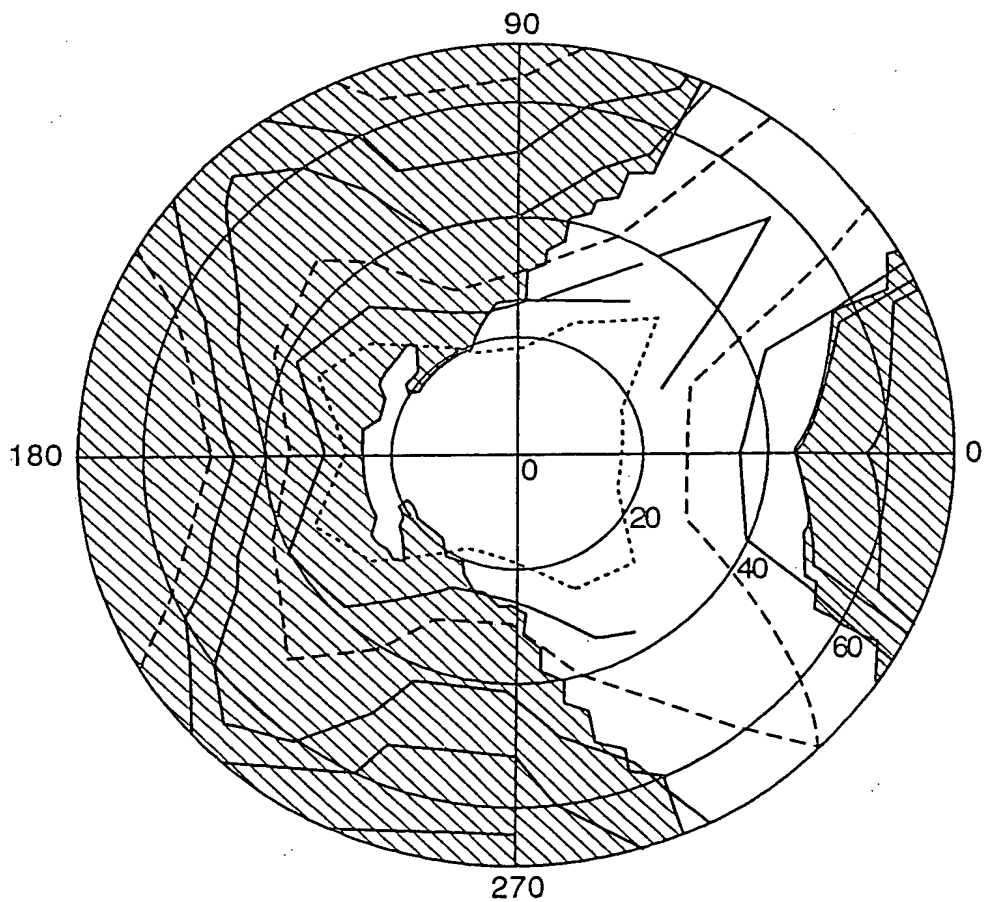


FIG.93

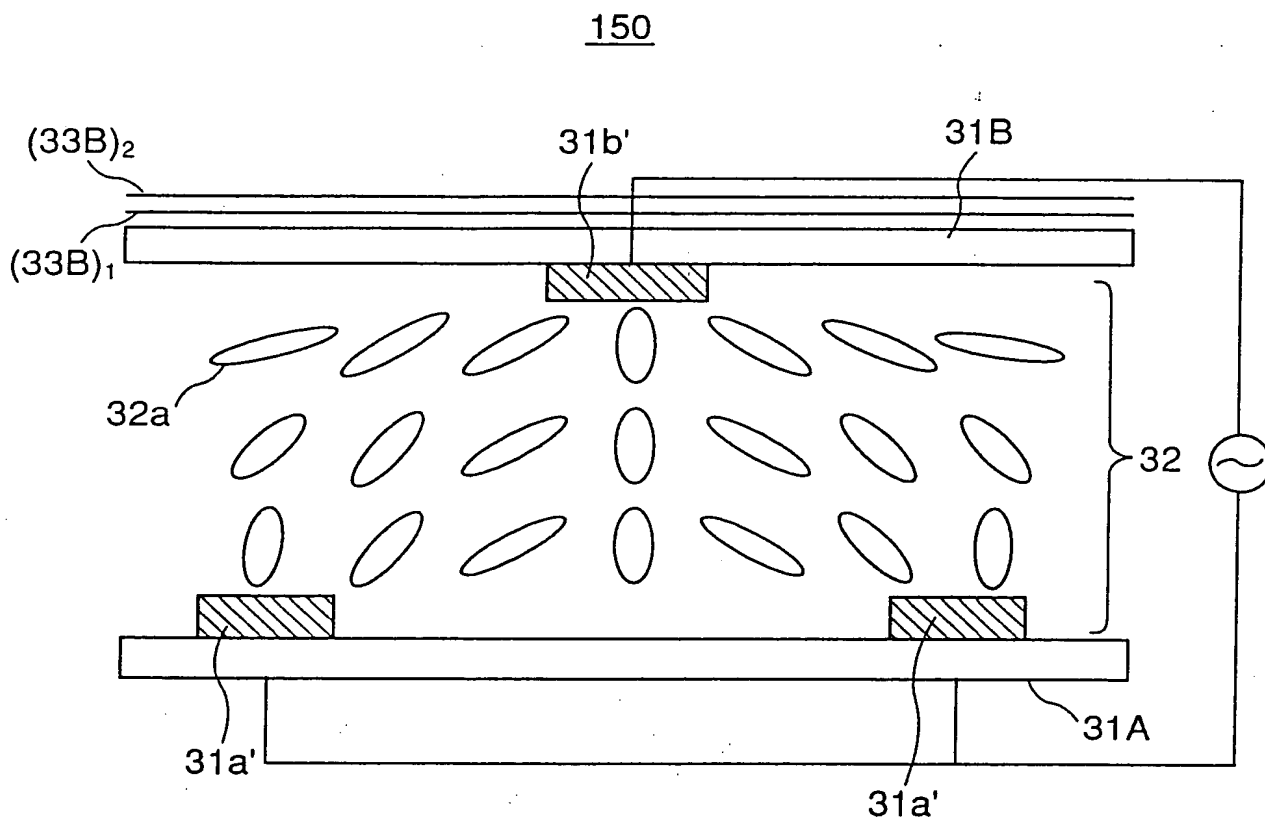


FIG.94

CONTRAST RATIO	
————	500.000
————	200.000
-----	100.000
-----	50.000
.....	10.000

